

AibGenesis™ Mouse Anti-ABCC9 Antibody (CBMOAB-1306FYC)

Cat. No.: CBMOAB-1306FYC

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO1306FC
Specificity	This antibody binds to Arabidopsis ABCC9.
Format	Liquid or Lyophilized
Storage	Store at 4°C: short-term (1-2weeks) Store at -20°C: long-term and future use
Purity	> 90% was determined by SDS-PAGE
Purification	Purified with Protein A or G affinity chromatography
Cellular Localization	Vacuole; Other locations

Application-Information

Application	WB, ELISA
Application Notes	ELISA: 1:1000-1:3000 Other applications are to be developed. The optimal dilution should be determined by the end user.

Target

Introduction	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is thought to form ATP-sensitive potassium channels in cardiac, skeletal, and vascular and non-vascular smooth muscle. Protein structure suggests a role as the drug-binding channel-modulating subunit of the extra-pancreatic ATP-sensitive potassium channels. Mutations in this gene are associated with cardiomyopathy dilated type 10. Alternative splicing results in multiple transcript variants. (From NCBI)
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Product Overview

Mouse Anti-Arabidopsis ABCC9 Antibody is a mouse antibody against ABCC9. It can be used for ABCC9 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 1506 amino acids long. The sequence is show below: MFKPFGFAAETGSHLLT TQWLQLGNSLCLKERISIAMQVTFLAFFLIHLALKWFGVVRNR GSNDVEEDLKKQSITVKQSFSYNISLLCS VSILGTHCFILLLLFRDSVVSRCDSVSVFS AEVSQSFSWLFVSVVVVKIRERRLVKFPWMLRSWWLCSFIL SFSFDAHFITAKHEPLEFQ DYADLTGLLASLFLAVSIRGKTGFHLESSGNTEPLLLGDQTEQNKKDSYSSS SPYGNA TLFQRITFSWINPLFSLGYKRPLEKDDVPDIDVKDSARFCSHAFDQKLKTTKEKEGPGNA FFYNS VLRVYVWRKAANAVFAVFNASTAYIGPYLINDFVEFLSEKQSQSLNHGYLLALGF LTAKIVETVTQRQWIFGA RQLGLRLRAALISHIYQKGLVLSSQSRQSHTSGEIINYMSVD VQRITDFIWYVNNIWMPLIQIFSAYILQKHLG LGALAALVTTLMVMACNYPLTRLQRNY QSDIMNAKDDRMKATSEILKNMKILKLQAWDNQFLNKVKTLRKK EYDCLWKSRLQAFTT FILWGAPSLISVVTFTVTCMLMGVKLTAGAVLSALATFQMLQSPIGLPDLLSALVQS KVS ADRIASYLQQSETQKDAVEYCSKDHTELSVEIENGAFSWEPESSRPTLDDIELKVKSGMK VAVCGAVG SGKSSLLSSILGEIQKLKGTVRVSGKQAYVPQSPWILSGTIRDNILFGSMYE SEKYERTVKACALIKDFELFS NGDLTEIGERGINMSGGQKQRIQIARAVYQNADIYLLDD PFSAVDAHTGRELFEDCLMGILKDKTIVLYVTHQ VEFLPAADLILVMQNGRVMQAGKFEEL LKQNIQFEVLVGAHNEALDSILSIEKSSRNFKEGSKDDTASIAESL QTHCDSEHNISTEN KKKEAKLVQDEETEKGVIGKEYLAYLTTVKGGLLVFPIILAQSCFQMLQIASNYWMA WT APPTAESIPKLGMRILLVYALLAAGSSLCVLARTILVAIGGLSTAETFFSRMLCSIFRA PMSFFDSTPTGR ILNRSTDQSVLDLEMAVKLGWCAFSIIQIVGTIFVMSQVAWQVCVIF IPVAVACVFYQRYTPTARELSRMS GVERAPILHHFAESLAGATTIRAFDQRDRFISSNL VLIDSHSRPWFHVASAMEWLSFRLNLLSHFVFAFSLVL LVTLPEGVINPSIAGLVITYGL SLNVLQATVIWNICNAENKMISVERILQYSKIPSEAPLVIDGHRPLDNWPNV GSIVFRDL QVRYAEHFPAVLKNITCEFPGGKKIGVVGRTGSGKSTLIQALFRIVEPSQGTIVIDNVDI TKIGLH DLRSRLGIIPQDPALFDGTIRLNLPLAQYTDHEIWEAIDKCQLGDVIRAKDER LDATVVENGENWSVGQRQ LVCLGRVLLKKSNIHLVDEATASVDSATDGVIQKIINQEFKD RTVVVTIAHRIHTVIESDLVLVLSDGRIAEFDSPA KLLQREDSFFSKLIKEYSLRSNHFAG SNDLLS.

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
CBMOAB-34832	Monoclonal	Rhesus (<i>Macaca mulatta</i>)		WB, ELISA	MO34832F	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 1549 amino acids long.

The sequence is show below: MSLSFCGNNISSYNINDGVLQNSCFVDALNLVPHVFLLFITFPILFIGWGSQSSKVQIHNTWLHFGHNLRWILTF ALLFVHVCEIAEG IVSDSRRESRHLHLMFPAVMGFVATTTISIVYYHNIETSNFPKLLALFLYWMAFITKTIKLVKYCQSGLDISNLRFCITGMMVILN GLL MAKEINVIRVRRYVFFMNPQKVKPPEDLQDLGVRFLQPFVNULLSKATYWWMNTLIITAHKKPIDLKAIGKLPIAMRAVTNYVCLKDAYEE QKKK VADHPNRTPSIWLAMYRAFGRPILLSSTFRYLADLLGFAGPLCISGIVQVRVNETQNRTNNTTGISETLSSKEFLENAYVLAVLLFL ALILQRTFLQASY YVTIETGINLRGALLAMIYNKILRLSTSNLSMGEMTLGQINNVAIETNQLMWFLFLCPNLWAMPVQIIMGVILLYN LLGSSALVGAIVILLAPIQYFIA TKLAEAQKSTLDYSTERLKKTNEILKGIKLLKYAWEHIFCKSVEETRMKELSSLKTFALYTSLSI FMNAAIPAAVLATFVTHAYASGNNLKPAEAFAS LSLFHILVTPFLLLSTVVRFAVKAIISVQKLNEFLLSDEIGDDSWRTGEGSLPFES CKKHTGVQPKTINRKQPGRYHLDSYEQSTRRLRPTETEDIAI KVTNGYFSWGSGLATLSNIDIQIPTGQLTMIVGQVCGCKSSLLAILG EMQTLEGKVHWSNVNESEPSFEATRSRNRYSVAYAAQKPWLLNATVE ENITFGSPFNKQRYKAVTDACSLQPDIDLLPFGDQTEIGERGI NLSGGQRQRICVARALYQNTNIVFLDDPFSAIDHLSDHLMQEGILKFLQDDKR

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
TLVLVTHKLQYLTHADWIIAMKDGSVLREGTLKDIQ TKDVELYEHWKTLMNRQDQELEKDMEADQTTLERKTLRRAMYSREAKAQMEDEDEEEEE EEEDDDNMSTVMRLRTKMPWKCWRYLTSGG FFLILMIFSKLLKHSVIVADYWLATWTSEYSINNTGKADQTYVYAGFSILCGAGIFLCLVTSL TVEWMGLTAAKNLHHNLLNKIILGP IRFFDTTPLGLILNRFSAADNIIDQHIPPPTLESLTRSTLLCLSAGMISYATPVFLVALLPLGVAFYFIQKYFRVAS KDLQELDDSTQLP LLCHFSETAEGLTITIRAFRHETRFKQRMLELTDNNIAYLFLSAANRWLEVRTDYLGACIVLTASIASISGSSNSGLVGLGLLYAL TITN YLNWVVRNLADLEVQMGAVKKVNSFLTMESSENYEGTMDPSQVPEHWPQEGEIKIHDLCVRYENNLKPVLKHVKAYIKPGQKVGICGRTGS GKSSLSLAFFRMVDIFDGKIVIDGIDISKPLHLRSRLSIILQDPILFSGSIRFNLDPECKCTDDRLWEALEIAQLKNMVKSLPGGLDA VVTEGGENF SVGQRQLFCLARAFVRKSSILIMDEATASIDMATENILQKVVMFAFADRTVVITIAHRVSSILDAGLVLVFSEGILVECDTA PNLLAHKNGLFSTLVMTN K.						
CBMOAB-64393	Monoclonal	Zebrafish (<i>Danio rerio</i>)	WB, ELISA	MO64393F	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 1558 amino acids long.

The sequence is show below: MALSFCGNDRDSNAYSVDNGVLDNGCFVDALNVLPHVFLLFITFPILFIGWGSQSSKVQIHHNTWLHFPGHNMRL
WILFTLLFVHVCEIA EGIVSNTWMESNHLHLFMPAFMGFIAATTSVVYYHNIETANFPKLLALFIYWILAFITKMIKLWKFAEASLGVQHRLFCITALL
VVLYG LLMAVEINVIRVRKYVFFANPQRVKPPEDLQDLGVRFLQPFVNLLSKATYWWMNPLIIGAHKRPIELKKIGKLIAMRALTNYLRLKDSY EE
QRQNTEDPEKSPSIWKS MYRAFGGSILLSSTFRYMADLLGFAGPLCISGIVEHLHNSTEIDRTNKTGNMTFGVYFMSSTELLQNTSVL AVLLFLALV
LQRTFLQASYVYTETGINLRGALLAMIYNKILRLSTSNMSMGEMTLGQINNVAIETNQLMWFLFLCPNLWAMPVQIIMG VILLYLLGNSALIGAGV
ILLAPVQYLIATKLADIQKSTLDYSTDRLLKKTTEILKGIKLLKLYAWENIFCDRVEETRGKELTSKTFAL HTSMSIFMNAAPIAAVLATFVTHAYIEED
RLSPAKAFASLALFHILVTPFLLLSTVVRFAVKALVSVQKLSLSEFLQSDIGDSDWRNGDM CMSLEVGGKKYKYQGDTKAINRKGRYRMDNIEQPV
RQLRPSETEDVAVQVNDGFFTWGSNLSTLSDINIRIPTGQLTMIVGQVCGKSSLLAMLGEMQTISGKVYWSNKNRYSVAYATQKSWLLNATVE
ENITFGSPFNKQRYKAVIDACSLQPDIDLLPFGDQTEIGERGINLGGQR QRICVARALYQNTNIVFLDDPFSALDIHLSHLMQEGILKFLQDDKRT
VVLVTHKLQYLIHADWIIAMKDGSVLREGTLKDIQTHDVELY EHWKTLMNRQDQELEKDDLESQTTLERKTLRRAFYSREAKNHVDDDEDEEEVV
EEEDDDNMSTTTSSRRSKIPWKMCCCYLSSGGFLMVFL MVSSKLAKHSVMVAIDYWLAAWTSSNPHNQSFVNSSFNHTLNDDATQIAEHRSYVP
VFIIICAAAIALCLITSLTVEFLGVAAATNLHHN LLNKIIHAPIRFFDVTPGLQILNRFSAADNIIDQHIPPPTLESLTRSTLLCLSAGVIAFVTPAFIALVPL
AVAFYFIQKYFRVASKDLQ ELDDSTQLP LLCHFSETAEGLTITIRAFRHEARFKQRMLELTDNNTAYLFLSAANRWLEVRTDYLGAVIVLTAATAAAIW
STSPSGLVGLG LTYALTNTNYLNWVVRNLADLEVQMAAVKKVNSFLSTESSENYEGSMDVSQVPEDWPQHGEITIHDLVCVRYDSMLKPVLKHVNA
HINPGQK VGICGRTGSGKSSLSLAFFNMVDVFEGKIVIDGIDICKLPLQTLRSRLSIILQDPVLVFGSIRLNLDPERTCTDDRLWEALEIAQLKNMV K
ALPGGLDAVVTEGGENF SVGQRQLFCLARAFVRKSSILIMDEATASIDMATENILQKVVMFAFADRTVVITIAHLVSSILEAEQVLVFS GILVENDSAI
NLLAQEDSLFGILVRTHK.

MO-AB-24173W	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA	MO24173W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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Protein Refseq: The length of the protein is 1549 amino acids long.

The sequence is show below: MSLSFCGNNISSYNINDGVLQNSCFVDALNLVPHVFLLFITFPILFIGWGSQSSKVQIHHNTWLHFPGHNLRWILTF
ALLFVHVCEIAEG IVSDSRRESRHLHLFMPAVMGFVATTTISIVYYHNIETSNFPKLLLALFLYWMAFITKTIKLVKYCQSGLDISNLRFCITGMMVILN
GLL MAVEINVIRVRRYVFFMNPQKVKPPEDLQDLGVRFLQPFVNLLSKATYWWMNTLIISAHKKPIDLKAIGKLPAMRAVTNYVCLKDAYEE QKKK
VADHPNRTPSIWLAMYRAFGPILLSSTFRYLADLLGFAGPLCISGIVQRVNETQNGTNTTGISSETLSSKEFLENAYVLAVLLFL ALILQRTFLQASY
YVTIETGINLRGALLAMIYNKILRLSTSNLSMGEMTLGQINNVAIETNQLMWFLFLCPNLWAMPVQIIMGVILLYN LLGSSALVGAIVILLAPIQYFIA
TKLAEAQKSTLDYSTERLKKTNEILKGIKLLKYAWEHIFCKSVEETRMKELSSLKTFALYTSLSI FMNAAIPAAVLATFVTHAYASGNNLKPAEAFAS
LSLFHILVTPFLLLSTVVRFAVKAISVQKLNEFLLSDEIGDDSWRTGESSLPFES CKKHTGVQPKTINRKQPGRYHLDSEYEQSTRRLRPAETEDIAIK
VTNGYFSWGSGLATLSNIDIRIPTGQLTMIVGQVCGKSSLLAILG EMQTLEGKVHWSNVNESEPSFEATRSRNRYSVAYAAQKPWLLNATVEE
NITFGSPFNKQRYKAVTDACSLQPDIDLLPFGDQTEIGERGI NLSGGQRQRICVARALYQNTNIVFLDDPFSALDIHLSHLMQEGILKFLQDDKRT
LVLVTHKLQYLTHADWIIAMKDGSVLREGTLKDIQ TKDVELYEHWKTLMNRQDQELEKDMEADQTTLERKTLRRAMYSREAKAQMEDEDEDEEEEE
EEDEDDNMSTVMRLRTKMPWKT CWRYLTSGG FFLILMIFSKLLKHSVIVAI DYWLATWTSEYSINNTGKADQTY YVAGFSILCGAGIFLCVTSLT
VEWMGLTAAKNLHHNLLNKIILGP IRFFDTPPLGLILNRF SADTNIIDQHIPP TLESLTRSTLLCLS AIGMISYATPVFLVALLPLGVAFYFIQKYFRVASK
DLQELDDSTQLP LLCHFSETAEGLT TIRAFRHETRFKQRMLELTD TNNIAYLFLSAANRWLEVRTDYLGACIVLTASIASISGSSNSGLVGLGLLYALT
ITN YLNWVVRNLADLEVQMGAVKKVNSFLTMESENYEGTMDPSQVPEHWPQEGEIKIHDLCVRYENNLKPV LKHVKAYIKPGQKVGICGRTGS G
KSSLSLAFFRMVDIFDGKIVIDGIDISKLP LHTLSRSLIILQDPILFSGSIRFNLDPECKCTDDRLWEALEIAQLKNMVKSLPGGLDA VVTEGGENFS
VGQRQLFCLARAFVRKSSILIMDEATASIDMATENILQKVVM TAFADRTVVTIAHRVHTILTADLVIVMKRGNILEYDTP ESLLAQEDGVFASFVRAD
M.

MO-AB-50205W	Monoclonal	Marmoset	WB, ELISA	MO50205W	Unconjugated; also available for Biotin; HRP; FITC and ot 100 µg her labeled form.
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Protein Refseq: The length of the protein is 1549 amino acids long.

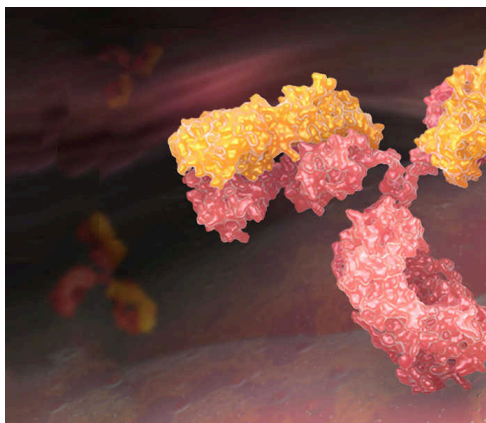
The sequence is show below: MSLSFCGNNITSYNINDGVLENSCFVDALNLVPHVFLLFITFPILFIGWGSQSSKVQIHHNTWLHFPGHNLRWILTF
ALLFVHVCEIAEG IVSDSRRESRHLHLFMPAVMGFVATTTISIVYYHNIETSNFPKLLLALFLYWMAFITKTIKLVKYCQSGLGISDLRFCITGMMVIL
NGLL MAVEINVIRVRRYVFFMNPQKVKPPEDLQDLGVRFLQPFVNLLSKATYWWMNTLIISAHKKPIDLKAIGKLPAMRAVTNYVCLKDAYEE QK
KKVADHPNRTPSIWLAMYRAFGPILLSSTFRYLADLLGFAGPLCISGIVQRVNETQNGTSNTTGNSDTLSSKEFLENAYVLAVLLFL ALILQRTFLQ
ASYYVTIETGINLRGALLAMIYNKILRLSTSNLSMGEMTLGQINNVAIETNQLMWFLFLCPNLWAMPVQIIMGVILLYN LLGSSALVGAIVILLAPIQ
YFIATKLAEAQKSTLDYSTERLKKTNEILKGIKLLKYAWEHIFCKSVEETRMKELSSLKTFALYTSLSI FMNAAIPAAVLATFVTHAYTSGNNLKPAEA
FASLSLFHILVTPFLLLSTVVRFAVKAISVQKLNEFLLSDEIGDDSWRTGESSLPFES CKKHTGVQPKTINRKQPGRYHLDSEYEQSTRRLRPTETED
IAIKVTNGYFSWGSGLATLSNIDIRIPTGQLTMIVGQVCGKSSLLAILG EMQTLEGKVHWSNVNESEPSFEATRSRNRYSVAYAAQKPWLLNATV
EENITFGSPFNKQRYKAVTDACSLQPDIDLLPFGDQTEIGERGI NLSGGQRQRICVARALYQNTNIVFLDDPFSALDIHLSHLMQEGILKFLQDDK

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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RTLVLVTHKLQYLTHADWIIAMKDGSVLREGTLKDIQ TKDVELYEHWKTLMNRQDQELEKDMEADQTTLERKTLRRAMYSREAKAQMEDEDEEE
 EEEEEDEDDNMSTVMRLRTKMPWKTWCWRYLTSGG FFLILMIFSKLLKHSVIVADYWLATWTSEYNINSTGKADQTYVAGFSILCGAGIFLCLVTS
 LTVIEWMGLTAAKNLHHNLLNKIILGP IRFFDTTPLGLILNRFSAADTNIIDQHIPPPTLESSTRLLCLSAIGMISHATPVFLVALLPLGVAFYFIQKYFRVA
 SKDLQELDDSTQLP LLCHFSETAEGLTITIRAFRHETRFKQRMLELTDNNIAYLFLSAANRWLEVRTDYLGACIVLTASIASISGSSNSGLVGLGLLY
 ALTITN YLNWVVRNLADLEVQMGAVKKVNSFLTMESENYEGTMDPSQVPEHWPQEGEIRIHDLVCVRYENNLKPVLKHV KAYIKPGQKV GICGRTG
 S GKSSLSLAFFRMVDIFDGKIVIDGIDISKPLHLTLRSRLSIILQDPILFSGSIRFNLDPECKCTDDRLWEALEIAQLKNMVKSLPGGLDA VVTEGGEN
 FSVGQRQLFCLARAFVRKSSILIMDEATASIDMATENILQKVMTAFADRTVVITIAHRVSSIMDAGLVLFSEGLVECDTV PNLLALRNGLFSTLVM
 NK.

MO-AB-07045Y	Monoclon Rabbit (<i>Oryctolagus cuni</i> al culus)	WB, ELISA	MO07045Y	Unconjugated; also available for Biotin; HRP; FITC and ot 100 µ her labeled form.	g
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Protein Refseq: The length of the protein is 1549 amino acids long. The sequence is show below: MSLSFCGNNISSYNIYDGLQNPCFVDALN
 LVPHVFLLFITFPILFIGWGSQSSKVQIHHNTWLHFGHNLRWILTFALLFVHVCEIAEG IVSDSRRESRHLHLFMPAVMGFVATTTISIVYYHNIETSN
 FPKLLLALFLYWMAFITKTIKLVKYWQSGWGVSDLRFCITGIMVILNGLL MAVEINVIRIRRYVFFMNPQKV KPPEDLQDLGVRFLQPFVNLLSKAT
 YWWWMTLIISAHKKPIDLKAIGKLP IAMRAVTNYVCLKDAYEE QKKKAADHPNRTPSIWLAMYRAFGRPILLSSTFRYLADLLGFAGPLCISGIVQRV
 NETQNGTNNTTGISEILSSKEFLENAYVLAVLLFL ALILQRTFLQASYVYTIETGINLRGALLAMIYNKILRLSTSNLSMGEMTLGQINNLA IETNQLM
 WFLFLCPNLWAMPVQIIMGVILLYN LLGSSALVGA AVILLAPMQYFIATKLAEAQKSTLDYSTERLKKTNEILKGIKLLKYAWEHIFCKSVEETRVK
 ELSSLKAFALYTSLSI FMNAAIPAAVLATFVTHAYASGNNLQPAEAFASLSLFHILVTPFLLLSTVVRFAVKAIISVQKLNELL SDEIGDDSWRTGEAS
 LPFES CKKHTGVQPKTINRKQPGRYHLDSYEQSTRRLRPMETEDIAIKVTNGCFSWGSGAATLSNIDIRIPTGQLTMIVGQVGC GKSSLLAILG E
 MQTLDGKVHWSNVNESEPSFEATRSRNRYSVAYAAQKPWLLNATVEENITFGSPFNKQRYKAVTDACSLQPDIDLLPFGDQTEIGERGI NLSGG
 QTERICVARALYQNTNIVFLDDPFSAIDHLSDHLMQEGILKFLQDDKRTLVLVTHKLQYLTHADWIIAMKDGSVLREGTLKDIQ TKDVELYEHWKT
 MNRQDQELEKDMEADQTTLERKTLRRAMYSREAKAQMEDEDEDEDEDEDEDEDEDDNMSTVMRLRTKMPWKTWCWRYLTSGG FFLFLMIFSKLLKH
 SVIVADYWLATWTSEYSINNTGKADQTYVAGFSILCGAGIFLCLVTS LTVIEWMGLTAAKNLHHNLLNKIILGP IRFFDTTPLGLILNRFSAADTNIIDQ
 HIPPTLESSTRLLCLSAIGMISYATPVFLVALVPLGVAFYFIQKYFRVASKDLQELDDSTQLP LLCHFSETAEGLTITIRAFRHEARFKQRMLELTDN
 NIAYLFLSAANRWLEVRTDYLGACIVLTASIASISGSSNSGLVGLGLLYALTITN YLNWVVRNLADLEVQMGAVKKVNSFLTMESENYEGTMDPSQV
 PEHWPQEGEIKIHDLVCVRYENNLKPVLKHV KAYIKPGQKV GICGRTGS GKSSLSLAFFRMVDIFDGKIVIDGIDISKPLHLTLRSRLSIILQDPILFSG
 SIRFNLDPECKCTDDRLWEALEIAQLKNMVKSLSGGLDA VVTEGGENFSVGQRQLFCLARAFVRKSSILIMDEATASIDMATENILQKVMTAFAD
 RTVVITIAHRVSSIVDADLVLFSEGLVECDTG PNLLTHKNGLFSTLVMTNK.



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.