APLP1 cDNA Clone – Amyloid Beta (A4)-Like Protein 1 (Human)

PRODUCT OVERVIEW

Product Name	APLP1, cDNA Clone
Full Product Name	APLP1 cDNA Clone
Product Gene Name	APLP1 cdna clone
Sequence	atggggcccg ccagccccgc tgctcgcggt ctaagtcgcc gcccgggcca gccgccgctg ccgctgctgc tgccactatt gctgctgctt ctgcgcgcgc agcccgccat cgggagcctg gccggtggga gccccggcgc ggccgaggcc ccggggtcgg cccaggtggc tggactatgc gggcgcctaa cccttcaccg ggacctgcgc accggccgct gggaaccaga cccacagcgc tctcgacgct gtctccggga cccgcagcgc gtgctggagt actgcagaca gatgtacccg gagctgcaga ttgcacgtgt ggagcaggct acgcaggcca tccccatgga gcgctggtgc gggggttccc ggagcggcag ctgcgcccac ccccaccacc aggttgtgcc cttccgctgc ctgcctggtg aatttgtgag tgaggccctg ctggtgcctg aaggctgccg gttcttgcac caggagcgca tggaccaatg tgagagttca acccggaggc atcaggaggc acaggaggcc tgcagctccc agggcctcat cctgcacggc tcgggcatgc tcttaccctg tggctcggat cggttccgtg gtgtggagta tgtgtgctgt ccccctccag ggacccccga cccatctggg acagcagttg gtgacccctc cacccggtcc tggcccccgg ggagcagagt agaggggget gaggacgagg aagaggagga atccttccca cagccagtag atgattactt cgtggagcct ccgcaggctg aagaggaaga ggaaacggtc ccacccccaa gctcccatac acttgcagtg gtcggcaaag tcactcccac cccgaggccc acagacggtg tggatattta ctttggcatg cctggggaaa tcagtgagca cgaggggttc ctgagggcca agatggacct ggaggagcgt aggatgcgcc agattaatga ggtgatgcgt gaatgggcca tggcagacaa ccagtccaag aacctgccta aagccgacag acaggccctg aatgagcact tccagtccat tctgcagact ctggaggagc aggtgtctgg tgagcgacag cgcctggtgg aaacccacgc cacccgcgtc atcgcccttа tcaacgacca gcgccgggct gccttggagg gcttcctggc agccctgcag gcagatccgc ctcaggcgga gcgtgtcctg ttggccctgc ggcgctacct gcgtgcggag cagaaggaac agaggcacac gctgcgccac taccagcatg tggccgccgt ggatcccgag aaggcacagc agatgcgctt ccaggtgcat acccaccttc aagtgattga ggagagggtg aatcagagcc tgggcctgct tgaccagaac ccccacctgg ctcaggagct gcggccccaa atccaggaac tcctccactc tgaacacctg ggtcccagtg aattggaagc ccctgcccct gggggcagca gcgaggacaa gggtgggctg cagcctccag attccaagga tgacaccccc atgacccttc caaaagggtc cacagaacaa gatgctgcat cccctgagaa agagaagatg aacccgctgg aacagtatga gcgaaaggtg aatgcgtctg ttccaagggg tttccctttc cactcatcgg agattcagag ggatgagctg gcaccagctg ggacaggggt gtcccgtgag gctgtgtcgg gtctgctgat catgggagcg ggcggaggct ccctcatcgt cctctccatg ctgctcctgc gcaggaagaa gccctacggg gctatcagcc atggcgtggt ggaggtggac cccatgctga ccctggagga gcagcagctc cgcgaactgc agcggcacgg ctatgagaac cccacttacc gcttcctgga ggaacgaccc tga
Molecular Weight	72,247 Da
OMIM	104775
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for APLP1 cdna clone	MBS1266421 is a cDNA clone targeting APLP1.
Other Notes	Small volumes of APLP1 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APLP1. It may not necessarily be applicable to this product.

NCBI GI #	15277601
NCBI GeneID	333
NCBI Accession #	BC012889
UniProt Secondary Accession #	O00113; Q96A92
UniProt Related Accession #	P51693
NCBI Official Full Name	Homo sapiens amyloid beta (A4)-like protein 1, mRNA

NCBI Official Synonym Full Names	amyloid beta precursor like protein 1
NCBI Official Symbol	APLP1
NCBI Official Synonym Symbols	APLP
UniProt Protein Name	Amyloid-like protein 1
Protein Family	Amyloid-like protein
UniProt Gene Name	APLP1
UniProt Synonym Gene Names	APLP; APLP-1
UniProt Entry Name	APLP1_HUMAN
NCBI Protein Information	amyloid-like protein 1
NCBI Summary for APLP1	This gene encodes a member of the highly conserved amyloid precursor protein gene family. The encoded protein is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. This cleavage liberates an intracellular cytoplasmic fragment that may act as a transcriptional activator. The encoded protein may also play a role in synaptic maturation during cortical development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for APLP1	APLP1: May play a role in postsynaptic function. The C-terminal gamma-secretase processed fragment, ALID1, activates transcription activation through APBB1 (Fe65) binding. Couples to JIP signal transduction through C-terminal binding. May interact with cellular G-protein signaling pathways. Can regulate neurite outgrowth through binding to components of the extracellular matrix such as heparin and collagen I. Belongs to the APP family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold; Membrane protein, integral Chromosomal Location of Human Ortholog: 19q13.1 Cellular Component: basement membrane; perinuclear region of cytoplasm; plasma membrane Molecular Function: alpha-2A adrenergic receptor binding; alpha-2B adrenergic receptor binding; alpha-2C adrenergic receptor binding; identical protein binding; protein binding Biological Process: G-protein signaling, adenylate cyclase inhibiting pathway; negative regulation of cAMP biosynthetic process; nervous system development; organ morphogenesis
Research Articles on APLP1	**1.** These data reveal a conserved mechanism for the binding of APP-family proteins to HS and imply a specific regulatory role of HS modifications in the biology of APP and APP-like proteins.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/cdna-clone/aplp1/1266421