

Product datasheet for TP326790

APLP2 (NM_001142277) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human amyloid beta (A4) precursor-like protein 2 (APLP2), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226790 representing NM_001142277 Red=Cloning site Green=Tags(s)

MAATGTAAAAATGRLLLLLVGLTAPALALAGYIEALAAANAGTGFAVAEPQIAMFCGKLNMHVNIQTGKW
EPDPTGTKSCFETKKEVLQYCQEMYPELQITNVMEANQRVSIDNWCRRDKKQCKSRFVTPFKCLVGEFVS
DVLLVPEKQCQFFHKERMEVCENHQHWHTVKEACLQGMTLYSYGMLLPCGVDQFHGTEYVCCPQTKIIG
SVSKEEEEEDEEEEEDEEEDYDVKSEFPTEADLEDFTEAAVDEDEDEEEGEEVVEDRDYYYDTFKG
DDYNEENPTEPGSDGTMSDKEITHDVKVPPTPLPTNDVDVYFETSADDNEHARFQAKEQLEIRHRNRMD
RVKKEWEEAELQAKNLPKAERQTLIQHFQAMVKALEKAAASEKQQLVETHLARVEAMLNDRRRMALENYL
AALQSDPPRPHRILQALRRYVRAENKDLHTIRHYQHVLAVDPEKAAQMKSQVMTHLHVIEERRNQSLSL
LYKVPYVAQEIQEEIDELLQEQRADMDQFTASISETPVDVRSSESEEEIPPFHPFHPFPALPENEGSGV
GEQDGLIGAEKVINSKNKVDENMVIDETLDVKEMIFNAERVGGLEERESVGPLREDFSLSSSALIGL
LVIAVAIATVIVISLVMLRKRQYGTISHGIVEVDPMLTPEERHLNKMQNHGYENPTYKYLEQMQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

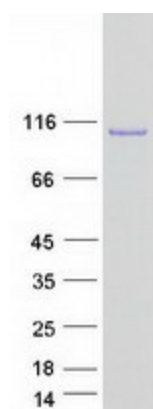
Tag:	C-Myc/DDK
Predicted MW:	79.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001135749
Locus ID:	334
UniProt ID:	Q06481 , B4E3I5
Cytogenetics:	11q24.3
RefSeq ORF:	2085
Synonyms:	APLP-2; APPH; APPL2; CDEBP
Summary:	This gene encodes amyloid precursor- like protein 2 (APLP2), which is a member of the APP (amyloid precursor protein) family including APP, APLP1 and APLP2. This protein is ubiquitously expressed. It contains heparin-, copper- and zinc- binding domains at the N-terminus, BPTI/Kunitz inhibitor and E2 domains in the middle region, and transmembrane and intracellular domains at the C-terminus. This protein interacts with major histocompatibility complex (MHC) class I molecules. The synergy of this protein and the APP is required to mediate neuromuscular transmission, spatial learning and synaptic plasticity. This protein has been implicated in the pathogenesis of Alzheimer's disease. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]
Protein Families:	Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified APLP2 protein (Cat# TP326790). The protein was produced from HEK293T cells transfected with APLP2 cDNA clone (Cat# [RC226790]) using MegaTran 2.0 (Cat# [TT210002]).