

Product datasheet for PH326790

APLP2 (NM_001142277) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APLP2 MS Standard C13 and N15-labeled recombinant protein (NP_001135749)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226790
Predicted MW:	79.1 kDa
Protein Sequence:	>RC226790 representing NM_001142277 Red=Cloning site Green=Tags(s)

MAATGTAAAAATGRLLLLLLVGLTAPALALAGYIEALAAANAGTGFAVAEPQIAMFCGKLMNHVNIQTGKW
EPDPTGKSCFETKKEEVLQYCQEMYPELQITNVMEANQRV SIDNWCRRDKKQCKSRFVTPFKCLVGEFVS
DVLLVPEKCFHFKERMEVCENHQHWHVYVKEACL TQGMTLYSYGMLLPCGVDQFHGTEYVCCPQTKIIG
SVSKEEEEEDEEEEEDEEEDYDVYKSEFPTEADLEDFTEAAVDEDEDEEEGEEVVEDRDYDYDFKFG
DDYNEENPTEPGSDGTMSDKEITHDVKVPPTPLPTNDVDVYFETSADDNEHARFQKAKEQLEIRHRNRMD
RVKKEWEEAELQAKNLPKAERQTLIQHFQAMVKALEKEAASEKQQLVETHLARVEAMLNDRRRMALENYL
AALQSDPPRPHRILQALRRYVRAENKDRDLHTIRHYQHVLAVDPEKAAQMKSQVMTHLHVIEERRNQSLSL
LYKVPYVAQEIQEEIDELLQEQRADMDQFTASIS ETPVDVVRVSSSESEEIPPFHPFHPFPALPENEGSGV
GEQDGGDIGAEEKVINSKNKVDENMVIDETLDVKEMIFNAERVGGLLEERESVGPLREDFSLSSSALIGL
LVIAVAIATVIVISLVMLRKRQYGTISHGIVEVDPMLTPEERHLNKMQNHGYENPTYKYLEQMQUI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001135749
RefSeq ORF:	2085



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Synonyms: APLP-2; APPH; APPL2; CDEBP

Locus ID: 334

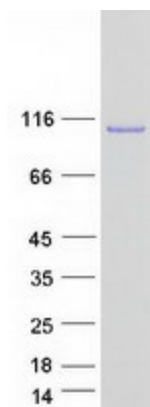
UniProt ID: [Q06481](#), [B4E3I5](#)

Cytogenetics: 11q24.3

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]).