

Recombinant Human APLP2 Protein, MYC/DDK-tagged

Cat. No. APLP2-2283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human APLP2 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
Description	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]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	79.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	APLP2 amyloid beta (A4) precursor-like protein 2 [Homo sapiens]
Official Symbol	APLP2
Synonyms	APLP-2; APPH; APPL2; CDEBP
Gene ID	334
mRNA Refseq	NM_001142276
Protein Refseq	NP_001135748
MIM	104776
UniProt ID	Q06481

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