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Datasheet for ABIN7519670 APLP1 Protein (His tag)

Overview

Quantity:	20 µg
Target:	APLP1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APLP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human APLP-1 Protein
Sequence:	SLAGGSPGAA EAPGSAQVAG LCGRLTLHRD LRTGRWEPDP QRSRRCLRDP QRVLEYCRQM YPELQIARVE QATQAIPMER WCGGSRSGSC AHPHHQVVPF RCLPGEFVSE ALLVPEGCRF LHQERMDQCE SSTRRHQEAQ EACSSQGLIL HGSGMLLPCG SDRFRGVEYV CCPPPGTDPD SGTAVGDPST RSWPPGSRVE GAEDEEEEES FPQPVDDYFV EPPQAEIEEE TVPPSSHTL AVVGKVTPTP RPTDGVDIYF GMPGEISEHE GFLRAKMDLE ERRMRQINEV MREWAMADNQ SKNLPKADRQ ALNEHFQSIL QTL EEQVSGE RQRLVETHAT RVIALINDQR RAALEGFLAA LQADPPQAER VLLALRRYLR AEQKEQRHTL RHYQHVAAVD PEKAQQMR FQ VHTHLQVIEE RVNQSLGLLD QNPHLAQELR PQIQELLHSE HLG PSELEAP APGGSSSEDKG GLQPPDSKDD TPMTLPKGST EQDAASPEKE KMNPLEQYER KVNASVPRGF PFHSSEIQRD ELAPAGTGVS RE
Specificity:	Ser39-Glu580
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered

Product Details

Endotoxin Level: <0.1EU/μg

Target Details

Target: APLP1

Alternative Name: APLP-1 ([APLP1 Products](#))

Background: Description: APLP1, also known as amyloid-like protein 1, is a member of the highly conserved amyloid precursor protein gene family. APLP1 is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. APLP1, together with APLP2, are important modulators of glucose. APLP1 may also play a role in synaptic maturation during cortical development. Alternatively spliced transcript variants encoding different isoforms have been described. APLP1 also is a mammalian homologue of amyloid precursor protein (APP). APP is a type I membrane protein that is genetically linked to Alzheimer's disease.

Name: APLP1,APLP

Gene ID: 333

UniProt: [P51693](#)

Pathways: [cAMP Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.