

Recombinant Human APLP-1 Protein

Catalog No.: RP01352

Sequence Information

Species **Gene ID**
Human 333

Swiss Prot **Tags**
P51693 C-His

Synonyms
APLP1, APLP

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
61.29 kDa 70-100 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL
method.

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

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.

Background

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.

Basic Information

Description

Recombinant Human APLP-1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser39-Glu580) of human APLP1 (Accession #NP_005157.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

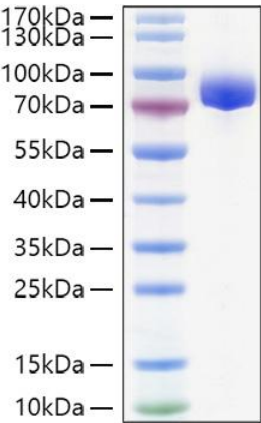
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Validation Data



Recombinant Human APLP-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.