

## Recombinant Mouse Aplp1 Protein, His-tagged

**Cat. No.** Aplp1-295M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Aplp1 (NP_031493.2) (Met1-Glu584) was expressed with a polyhistidine tag at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Glu584
<b>Description</b>	<p>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.</p>
<b>Predicted N Terminal</b>	Asn 39
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant mouse Aplp1 consists of 557 amino acids and predicts a molecular

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	mass of 62.4 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Aplp1 amyloid beta (A4) precursor-like protein 1 [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Aplp1</a>
<b>Synonyms</b>	APLP1; amyloid beta (A4) precursor-like protein 1; amyloid-like protein 1; APLP; APLP-1;
<b>Gene ID</b>	<a href="#">11803</a>
<b>mRNA Refseq</b>	<a href="#">NM_007467</a>
<b>Protein Refseq</b>	<a href="#">NP_031493</a>

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