

Recombinant Mouse Aplp2 Protein, His-tagged

Cat. No. Aplp2-11006M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse APLP2, His Tag is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Ser 636 (Accession # Q06335-1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Gly 32
Species	Mouse
Source	HEK293
ProteinLength	32-636 aa
Description	May play a role in the regulation of hemostasis. The soluble form may have inhibitory properties towards coagulation factors. May interact with cellular G-protein signaling pathways. May bind to the DNA 5'-GTCACATG-3'(CDEI box). Inhibits trypsin, chymotrypsin, plasmin, factor XIA and plasma and glandular kallikrein. Modulates the Cu/Zn nitric oxide-catalyzed autodegradation of GPC1 heparan sulfate side chains in fibroblasts.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 71.5 kDa. The protein migrates as 80-90 kDa and 100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.

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Storage This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Aplp2 amyloid beta \(A4\) precursor-like protein 2 \[Mus musculus \]](#)

Official Symbol [APLP2](#)

Synonyms APLP2; amyloid beta (A4) precursor-like protein 2; amyloid-like protein 2; CDEBP; CDEI box-binding protein; APLP-2; AI790698;

Gene ID [11804](#)

mRNA Refseq [NM_001102455](#)

Protein Refseq [NP_001095925](#)

UniProt ID [Q06335](#)

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