

# Mouse Amyloid-like protein 2 / APLP2 Protein, His Tag

Catalog # AP2-M52H9



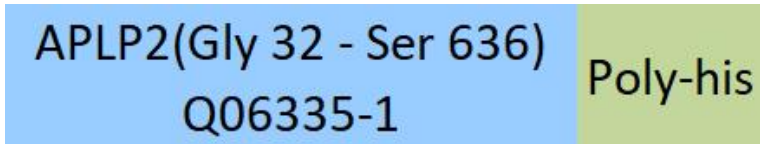
## Synonym

Amyloid beta precursor like protein 2, APLP2, APPH, CDEBP, APPL2

## Source

Mouse APLP2, His Tag (AP2-M52H9) is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Ser 636 (Accession # [Q06335-1](#)).  
Predicted N-terminus: Gly 32

## Molecular Characterization



### [Other Tags and Version](#) [Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the C-terminus.  
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 per µg by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.  
Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.  
**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.**

## Storage

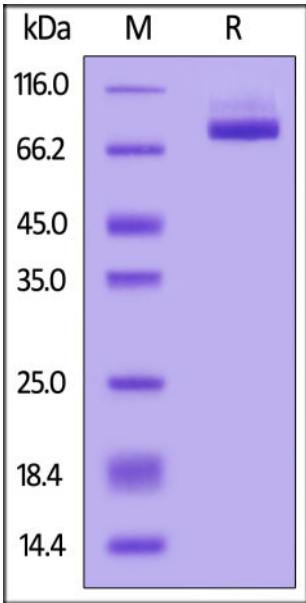
For long term storage, the product should be stored at lyophilized state at -20°C or lower.  
**Please avoid repeated freeze-thaw cycles.**  
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



Mouse APLP2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

## Background

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.

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