

### Synonym

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

### Source

Human APLP2, His Tag (AP2-H52H9) is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Ser 692 (Accession # [Q06481-1](#)).

Predicted N-terminus: Gly 32

### Molecular Characterization

APLP2(Gly 32 - Ser 692)  
Q06481-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 77.9 kDa. The protein migrates as 80-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

### Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

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

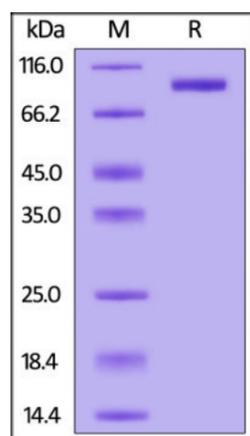
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

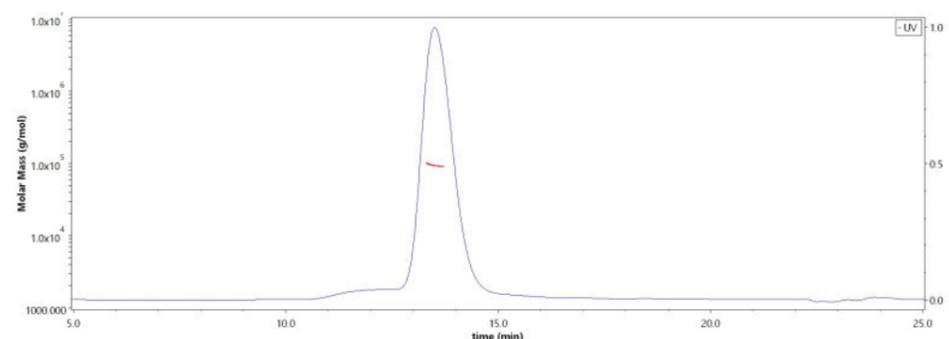
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Human APLP2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

### SEC-MALS



The purity of Human APLP2, His Tag (Cat. No. AP2-H52H9) is more than 90% and the molecular weight of this protein is around 80-105 kDa verified by SEC-MALS.

[Report](#)

### 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.

### Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.