

Human Amyloid-like protein 2 / APLP2 Protein, His Tag (MALS verified)

Catalog # AP2-H52H9



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

[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 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 / rFC 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 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

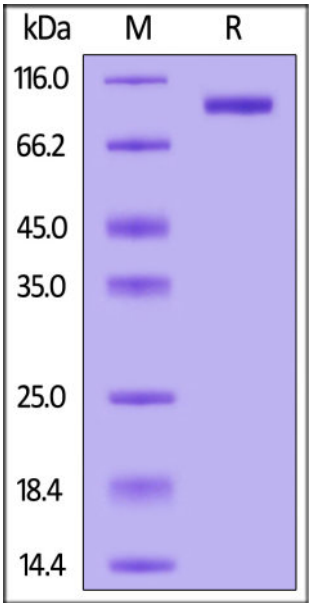
For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Please avoid repeated freeze-thaw cycles.
This product is stable after storage at:

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

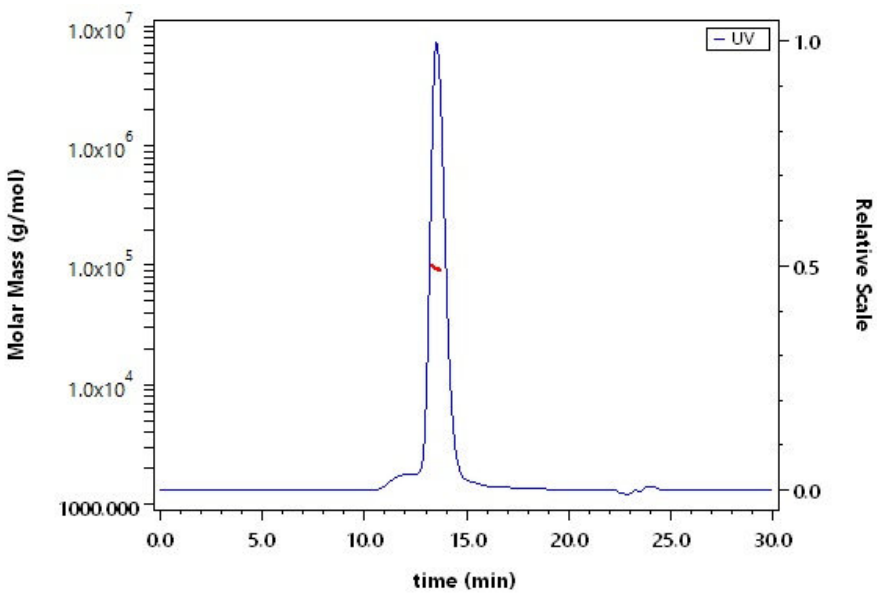
ACRO Quality Management System

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- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



SEC-MALS



Human 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 95%.
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.

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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