

Synonym

Amyloid Precursor Protein,Alzheimer disease amyloid protein,APP,Amyloid-beta precursor protein

Source

Human Amyloid Precursor, His Tag (AMR-H52H4) is expressed from human 293 cells (HEK293). It contains AA Leu 18 - Ala 701 (Accession # [P05067-1](#)). Predicted N-terminus: Leu 18

Molecular Characterization

Amyloid Precursor Protein(Leu 18 - Ala 701) P05067-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 79.3 kDa. The protein migrates as 80-120 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.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 0.3 M Arginine, 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

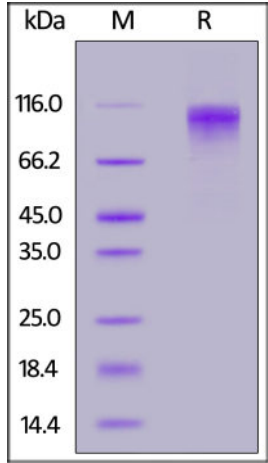
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

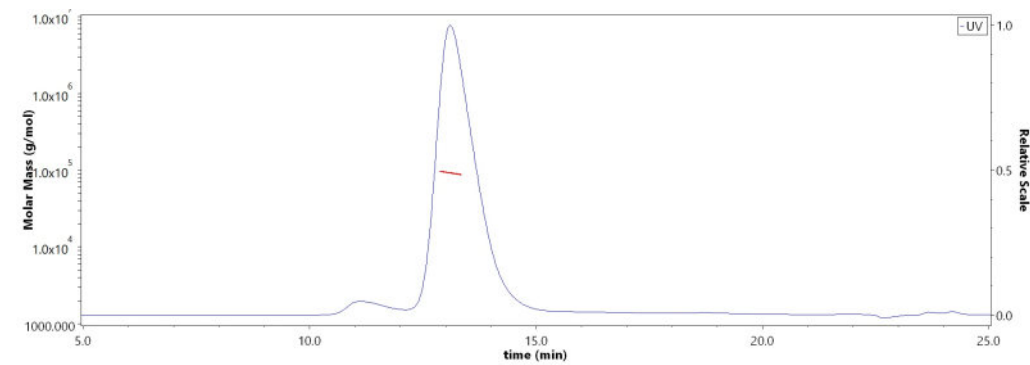
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human Amyloid Precursor, 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 Amyloid Precursor, His Tag (Cat. No. AMR-H52H4) was more than 85% and the molecular weight of this protein is around 87-107 kDa verified by SEC-MALS.

[Report](#)

Background

Amyloid precursor protein (APP) is a type 1 membrane protein with an NH2 -terminal extracellular domain and a COOH-terminal cytosolic tail. The amyloid precursor protein (APP) takes a key role in Alzheimer’s disease (AD) pathogenesis. Processing of APP generates that generates the Aβ peptide, whose accumulation is associated with Alzheimer’s disease.

Clinical and Translational Updates

Human Amyloid Precursor Protein, His Tag (MALS verified)

Catalog # AMR-H52H4



Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.