

Recombinant Human Annexin A1/ANXA1 Protein

Catalog No.: RP03265 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 301 P04083

Tags

C-His

Synonyms

Annexin I; Calpactin II; Calpactin-2; Chromobindin-9; Lipocortin I; p35; ANX1; LPC1; Annexin A1; Annexin-1; ANXA1

Product Information

SourcePurificationE.coli≥ 95 % as

determined by Tris-Bis PAGE.

Calculated MW Observed MW

39.5 kDa 35-40 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Atherosclerosis, characterized by the formation of fat-laden plaques, is a chronic inflammatory disease. ABCA1 promotes cholesterol efflux, reduces cellular cholesterol accumulation, and regulates anti-inflammatory activities in an apoA-I- or ANXA1-dependent manner. The latter activity occurs by mediating the efflux of ANXA1, which plays a critical role in anti-inflammatory effects, cholesterol transport, exosome and microparticle secretion, and apoptotic cell clearance.

Basic Information

Description

Recombinant Human ANXA1 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Asn346) of human ANXA1 (Accession #P04083) fused with His tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

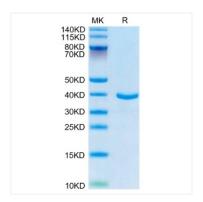
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human Annexin A1/ANXA1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.