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Recombinant Human Serum Amyloid P/SAP Protein

Catalog No.: RP00245 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	325	P02743

Tags
C-His

Synonyms
APCS;HEL-S-92n;PTX2;SAP

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
23.26 kDa	20-30 kDa

Endotoxin
< 0.01 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

Serum amyloid P-component can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. The identical serum form of amyloid P component (AP), a highly preserved plasma protein named for its ubiquitous presence in amyloid deposits. As a normal plasma protein first identified as the pentagonal constituent of in vivo pathological deposits called "amyloid". Serum amyloid P component represents another member of the pentraxin family, a highly conserved group of molecules that may play a role in innate immunity.

Basic Information

Description
Recombinant Human Serum Amyloid P/SAP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (His 20 - Val 223) of human Serum Amyloid P (Accession #NP_001630.1) fused with a 6×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℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.

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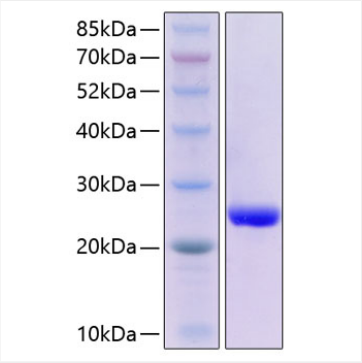
Validation Data



Recombinant Human Serum Amyloid P/SAP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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