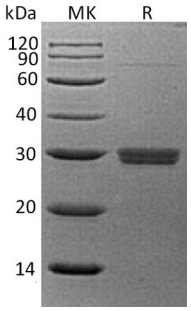
Product Name: Recombinant Human SAP (C-6His)
Catalog #: PHH1299

Summary

Name	Pentraxin 2/SAP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Serum Amyloid P Component is produced by our Mammalian expression system and the target gene encoding His20-Val223 is expressed with a 6His tag at the C-terminus.
Accession #	P02743
Host	Human Cells
Species	Human
Predicted Molecular Mass	24.2 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names	Serum Amyloid P-Component; SAP; 9.5S Alpha-1-Glycoprotein; APCS; PTX2
Background	Serum Amyoid P Component (SAP) is a monomeric 25 kDa secreted serum glycoprotein that belongs to the pentraxins family. The members of pentaxin superfamily be characterised by calcium dependent ligand binding and distinctive flattened β-jellyroll structure similar to that of the legume lectins. SAP is a non-fibrillar component, it can interact with DNA and histones. It regulates the solubility of amyloid fibrils and protects them from degradation by proteolytic enzymes and phagocytic cells. SAP scavenge nuclear material released from damaged circulating cells. It has been proposed that SAP may function as an opsonin for a variety of ligands including autoantigens, apoptotic cells, chromatin and micro-organisms.

Note

For Research Use Only , Not for Diagnostic Use.