

Recombinant Human APCS/SAP Protein (His Tag)

Catalog Number:PKSH033050



Note: Centrifuge before opening to ensure complete recovery of vial contents.

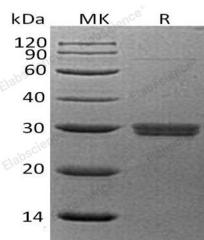
Description

Synonyms	Serum Amyloid P-Component;SAP;9.5S Alpha-1-Glycoprotein;APCS;PT;STX2
Species	Human
Expression Host	HEK293 Cells
Sequence	His20-Val223
Accession	P02743
Calculated Molecular Weight	24.2 kDa
Observed molecular weight	30 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Reconstitution	Please refer to the specific buffer information in the printed man
	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Serum Amyloid P Component (SAP) is a monomeric 25 kDa secreted serum glycoprotein that belongs to the pentraxins family. The members of pentraxin 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 scavenges 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.

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