

Recombinant Human SAP (C-6His)

Catalog No: C510

Description	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.
Source	Human Cells
Alternative name	Serum Amyloid P-Component; SAP; 9.5S Alpha-1-Glycoprotein; APCS; PTX2
Accession No.	P02743
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	Serum Amyloid 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.

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