

Recombinant Human SAP (C-6His)

Catalog No: C510

Recombinant Human Serum Amyloid P Component is produced by our Mammalian expression system Description

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

P02743 Accession No.

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Greater than 95% as determined by reducing SDS-PAGE. **Quality Control** Purity:

> Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

The product is shipped at ambient temperature. **Shipping**

Upon receipt, store it immediately at the temperature listed below.

Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. **Storage**

> 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.

Serum Amyoid P Component (SAP) is a monomeric 25 kDa secreted serum glycoprotein that belongs **Background**

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-

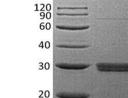
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