

[Go to Product page](#)

Datasheet for ABIN7319029

APCS Protein (His tag)

Overview

Quantity:	50 µg
Target:	APCS
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APCS protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human APCS/SAP Protein (His Tag)
Sequence:	His20-Val223
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	APCS
Alternative Name:	APCS/SAP (APCS Products)
Background:	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

Target Details

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. Synonym: Serum Amyloid P-Component, SAP, 9.5S Alpha-1-Glycoprotein, APCS, PT,STX2

Molecular Weight: 24.2 kDa

UniProt: [P02743](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.