

Datasheet for ABIN7320402

APCS Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	APCS
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This APCS protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse APCS/SAP Protein (His Tag)(Active)
Sequence:	Met 1-Glu 224
Characteristics:	A DNA sequence encoding the mouse APCS (NP_035448.2) (Met 1-Glu 224) precursor was expressed with a C-terminal polyhistidine tag.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA. Immobilized mouse APCS at 10 µg/ml (100 µl/well) can bind biotinylated human Fibronectin Fragment 2 with a linear ranger of 0.625-5 µg/ml.2. Measured by its ability to bind mouse CD64-AVI in a functional ELISA.

Target Details

Target:	APCS
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Target Details

Alternative Name: APCS/SAP ([APCS Products](#))

Background: Background: Serum amyloid P component (SAP) is the identical serum form of amyloid P component (AP), a highly preserved plasma protein named for its ubiquitous presence in amyloid deposits. As a normal plasma protein first identified as the pentagonal constituent of in vivo pathological deposits called "amyloid". Serum amyloid P component represents another member of the pentraxin family, a highly conserved group of molecules that may play a role in innate immunity. SAP is a key negative regulator for innate immune responses to DNA and may be partly responsible for the insufficient immune responses after DNA vaccinations in humans. SAP suppression may be a novel strategy for improving efficacy of human DNA vaccines and requires further clinical investigations.

Synonym: APCS; PTX2; SAP; 9.5S alpha-1-glycoprotein; Serum amyloid P; MGC88159; PTX2serum amyloid P-component; SAP pentaxin-related

Molecular Weight: 25.3 kDa

NCBI Accession: [NP_035448](#)

Application Details

Restrictions: For Research Use only

Handling

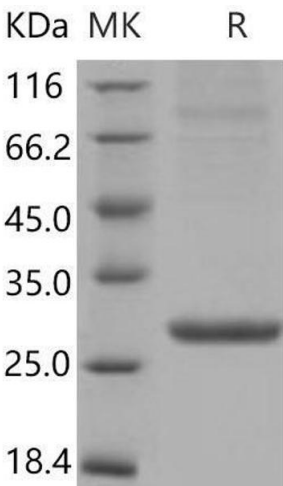
Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

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.



Western Blotting

Image 1.