Recombinant Human APCS protein

Cat. No. APCS-8600H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APCS (His20-Val223) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	20-223 a.a.
Description	Serum amyloid P-component (SAP) is also known as Pentraxin 2 (PTX2), APCS, which belongs to the pentaxin family. SAP contains one pentaxin domain. PTX2 is a secreted homopentamer protein which is found in serum and urine. SAP is a precursor of amyloid component P which is found in basement membrane and associated with amyloid deposits. SAP can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. SAP may also function as a calcium-dependent lectin. SAP has certain sequence homology with C-reactive protein (CRP).
Predicted N Terminal	His20
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 24 kDa. The protein migrates as 26 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

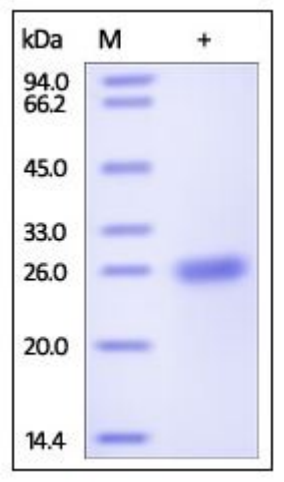
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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Full Length	Full L.

GENE INFORMATION

Gene Name	APCS
Official Symbol	APCS
Synonyms	APCS; amyloid P component, serum; serum amyloid P-component; 9.5S alpha 1 glycoprotein; MGC88159; pentaxin related; PTX2; SAP; pentaxin-related; 9.5S alpha-1-glycoprotein
Gene ID	325
mRNA Refseq	NM_001639
Protein Refseq	NP_001630

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MIM	104770
UniProt ID	P02743
SDS-PAGE of APCS-8600H	 Human APCS, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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