Recombinant Human Amyloid P Component, Serum, T7-tagged

Cat. No. APCS-72H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human amyloid P component, serum produced in*E.coli*is a non-glycosylated, polypeptide chain having a molecular weight of 23.5 kDa. rhAPCS contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a glycoprotein, belonging to the pentaxin family of proteins, which has a characteristic pentameric organization. These family members have considerable sequence homology which is thought to be the result of gene duplication. The binding of the encoded protein to proteins in the pathological amyloid cross-beta fold suggests its possible role as a chaperone. This protein is also thought to control the degradation of chromatin. It has been demonstrated that this protein binds to apoptotic cells at an early stage, which raises the possibility that it is involved in dealing with apoptotic cells in vivo.
Physical Appearance	Sterile Filtered clear solution.
Purity	Greater than 95.0% as determined by the analysis by reducing and non-reducing SDS-PAGE coomassie blue staining.
Formulation	Recombinant Human APCS at a concentration of 0.1mg/ml containing 10 mM Tris,

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	pH 8.0, 0.01% Triton X-100 and 0.002% NaN3 and 10mM DTT.
Applications	• ELISA • MS• Western Blotting.
Storage	RhAPCS although stable at 14℃for 1 week, should be stored desiccated below -18℃. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	APCS amyloid P component, serum [Homo sapiens]
Synonyms	APCS; amyloid P component, serum; SAP; PTX2; MGC88159; pentaxin-related; 9.5S alpha-1-glycoprotein; Serum amyloid P-component; Serum amyloid P-component(1-203); OTTHUMP00000024355
Gene ID	325
mRNA Refseq	NM_001639
Protein Refseq	NP_001630
MIM	104770
UniProt ID	P02743
Chromosome Location	1q21-q23
Function	calcium ion binding; sugar binding; unfolded protein binding

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