

Recombinant Human APCS Protein

Cat. No. APCS-811H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human APCS protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	223
Description	The protein encoded by this gene is a glycoprotein, belonging to the pentraxin 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.
Form	Lyophilized
Molecular Mass	24 kDa
AA Sequence	MNKPLLWISVLTSLLFAHTDLGKVFVFPRESVTDHVNLTIPLEKPLQNFTLCFRA YSDLSRAYSLFSYNTQGRDNELLYKERVGEYSLYIGRHKVTSKVIEKFPAPVHICVS WESSGIAEFWINGTPLVKKGLRQGYFVEAQPKIVLGQEQDSYGGKFDERSQS FVGE IGDLYMWDSVLPENILSAYQGTPLPANILDWQALNYEIRGYVIKPLVWV

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	APCS amyloid P component, serum [Homo sapiens (human)]
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

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mRNA Refseq	NM_001639
Protein Refseq	NP_001630
MIM	104770
UniProt ID	P02743

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