

Recombinant Human APCS

Cat. No. APCS-9734H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human APCS protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	20-223 a.a.
Description	<p>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.</p>
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.
Full Length	Full L.

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GENE INFORMATION

Gene Name	APCS amyloid P component, serum [Homo sapiens]
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
MIM	104770
UniProt ID	P02743
Chromosome Location	1q21-q23
Pathway	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem;
Function	metal ion binding; sugar binding; unfolded protein binding;

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