

# Recombinant Full Length Human APCS Protein, C-Flag-tagged

Cat. No. APCS-851HFL Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Human APCS Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

**Species** Human

**Source** Mammalian Cells

**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** 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

**Molecular Mass** 23.2 kDa

**AA Sequence**  
 MNKPLLWISVLTSLLEAFAHTDLSGKVFVFPRESVTDHVNLTIPLEKPLQNFTLCFRA  
 YSDLSRAYSLFS YNTQGRDNELLYKERVGEYSLYIGRHKVTSKVIEKFPAPVHICV  
 SWESSSGIAEFWINGTPLVKKGLRQ GYFVEAQPKIVLGQEQDSYGGKFDRSQSFV  
 GEIGDLYMWDSVLPPENILSAYQGTPLPANILDWQALNYE  
 IRGYVIKPLVWVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Secreted Protein
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">APCS amyloid P component, serum [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">APCS</a>
<b>Synonyms</b>	SAP; PTX2; HEL-S-92n
<b>Gene ID</b>	<a href="#">325</a>
<b>mRNA Refseq</b>	<a href="#">NM_001639.4</a>
<b>Protein Refseq</b>	<a href="#">NP_001630.1</a>
<b>MIM</b>	<a href="#">104770</a>

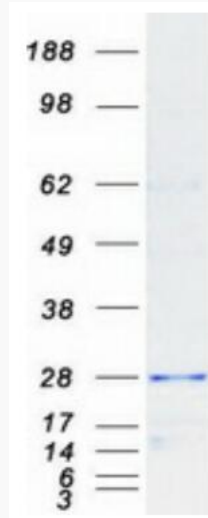
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UniProt ID

P02743



Coomassie blue staining of purified APCS protein.

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