

Full-Length

APCS (Human) Recombinant Protein (P01)

Catalog # H00000325-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human APCS full-length ORF (AAH07058, 1 a.a. - 223 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNKPLLWISVLTSLLEAFAHTDLSGKVFVFPRESVTDHVNLTITPLEKPLQNFTLCFRAYS DLSRAYS LFSYNTQGRDNELLVYKERVGEYSLYGRHKVTSKVIEKFPAPVHICVSWESSSGIAEFWINGTPLV KKGLRQGYFVEAQPKMVLGQE QDSYGGKFDRSQSFVGEIGDLYMWDSVLPPENILSAYQGTPPLPA NILDWQALNYEIRRYVIKPLVWV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	50.27
Interspecies Antigen Sequence	Mouse (69); Rat (71)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — APCS

Entrez GeneID	325
GeneBank Accession#	BC007058
Protein Accession#	AAH07058
Gene Name	APCS
Gene Alias	MGC88159, PTX2, SAP
Gene Description	amyloid P component, serum
Omim ID	104770
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	9.5S alpha-1-glycoprotein OTTHUMP00000024355 pentraxin-related serum amyloid P component

Disease

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- [Atherosclerosis](#)
- [Calcinosis](#)
- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)