

Recombinant Mouse APCS Protein, His-tagged

Cat. No. APCS-728M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse APCS Protein is produced by HEK293 expression system. This protein is fused with a His tag.
Species	Mouse
Source	HEK293
ProteinLength	21-224 aa
Description	Pentraxin2, also known as serum amyloid P-component, is a secreted serum glycoprotein that belongs to the pentraxins family. This family binds calcium-dependent lectin-like manner and is characterized distinctive flattened Åÿ-jellyroll structure similar to the legume lectins. This protein is a non-fibrillar component, it can interact with DNA and histones. It regulates the solubility of amyloid fibrils and protects them from degradation by proteolytic enzymes and phagocytic cells. This protein is the major acute-phase protein and expression of it is dependent on complement activation, IL-6 and/or IL-1 beta. Recombinant mouse Pentraxin2 protein, fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Molecular Mass	24.6 kDa
AA Sequence	QTDLKRKVFV FPRESETDHV KLIPHLEKPL QNFTLCFRTY SDSLRSQSLF

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SYSVKGRDNE LLIYKEKVG E YSLYIGQSKV TVRGMEEYLS PVHLCTTWES
SSGIVEFWVN GKPWVKSLQ REYTVKAPPS IVLGQE QDNY GGGFQRSQSF
VGEFSDLYMW DYVLTPQDIL FVYRDSPVNP NILNWQALNY EINGYVVIRP
RVWDHHHHHH

Endotoxin < 1.0 EU per 1 ug of protein (determined by LAL method)

Purity > 90 % by SDS - PAGE

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Absorbance at 280 nm)

GENE INFORMATION

Gene Name [Apcs serum amyloid P-component \[Mus musculus \]](#)

Official Symbol [Apcs](#)

Synonyms Serum amyloid P-component; SAP; Apcs; Sap; APCS;

Gene ID [20219](#)

mRNA Refseq [NM_011318](#)

Protein Refseq [NP_035448](#)

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UniProt ID

P12246

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