

## Product datasheet for **TP727340**

### Apcs Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Serum Amyloid P Component/SAP/Pentraxin 2 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Gln21-Asp224
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mMTris-HCl,150mMNaCl,50mM Imidazole,5% Trehalose,pH8.0.
Note:	Recombinant Mouse Serum Amyloid P Component is produced by our Mammalian expression system and the target gene encoding Gln21-Asp224 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	20219
UniProt ID:	<a href="#">P12246</a>
Synonyms:	APCS; PTX2; SAP; 9.5S alpha-1-glycoprotein; Serum amyloid P; MGC88159; PTX2serum amyloid P-component; SAP pentaxin-related
Summary:	Pentraxin 2 (PTX2), also known as Serum amyloid P (SAP), is a highly conserved, naturally circulating plasma protein and a soluble pattern recognition receptor of the innate immune system. The unique binding activities indicated that it may play an important role in the removal of damaged tissue. PTX2 belongs to the pentraxin family, is universally present in amyloid deposits. Mouse with targeted deletion of the PTX2 gene shows retarded and reduced induction of experimental reactive systemic (AA type) amyloidosis confirmed that it does indeed contribute to pathogenesis of amyloidosis and is a valid therapeutic target. In recent discovery, PTX2 can be used as a powerful antifibrotic agent to regulate certain monocyte differentiation states.



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