

Recombinant Mouse APCS/SAP Protein (His Tag)

Catalog No. PKSM041239

Note: Centrifuge before opening to ensure complete recovery of vial contents.

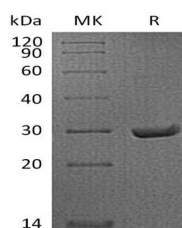
Description

Synonyms	APCS;PTX2;SAP;9.5S alpha-1-glycoprotein;Serum amyloid P;MGC88159;PTX2serum amyloid P-component;SAP pentaxin-related
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Gln21-Asp224
Accession	P12246
Calculated Molecular Weight	24.9 kDa
Observed molecular weight	28-32 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 50mM Imidazole, 5% Trehalose, 20% Glycerol, pH8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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

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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.