



Recombinant Protein Technical Manual

Recombinant Mouse APCS/SAP Protein (His Tag)

RPES0516

Product Data:

Product SKU: RPES0516

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: NP_035448.2

Protein Information:

Molecular Mass: 24.9 kDa

AP Molecular Mass: 28-32 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to it for detailed information.

Application:

Synonyms: APCS; PTX2; SAP; 9.5S alpha-glycoprotein; Serum amyloid P; MGC88159; PTX2serum amyloid P-component; SAP pentaxin-related

Immunogen Information:

Sequence: Gln21-Asp224

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 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.