

32-8608: Recombinant Mouse Serum Amyloid P Component/SAP/Pentraxin 2 (C-6His)

Gene : Apcs
Gene ID : 20219
Uniprot ID : P12246

Description

Source: Human Cells.
MW :24.9kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.
Storage condition : 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.
Amino Acid : QTDLKRKVFVFPRESETHVVKLIPHLEKPLQNFTLCFRTYSDLSRSQSLFSYSVKGRDNELLYKEKVGEYSLYIG QSKVTVRGMEEYLSPVHLCCTTWESSGIVEFWVNGKPWVKSLQREYTVKAPPSIVLGQEQDNYGGGFQRSQ SFVGEFSDLYMWDYVLTQDILFVYRDSVPNPNILNWQALNYEINGYVVIRPVWDVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.