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32-7462: Recombinant Human Serum Amyloid P-Component/Pentraxin 2/SAP (C-6His)

Gene : APCS
Gene ID : 325
Uniprot ID : P02743

Description

Source: Human Cells.
MW :24.2kD.
Recombinant Human Serum Amyloid P Component is produced by our Mammalian expression system and the target gene encoding His20-Val223 is expressed with a 6His tag at the C-terminus. Serum Amyoid P Component (SAP) is a monomeric 25 kDa secreted serum glycoprotein that belongs to the pentraxins family. The members of pentaxin superfamily be characterised by calcium dependent ligand binding and distinctive flattened beta-jellyroll structure similar to that of the legume lectins. SAP 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. SAP scavenge nuclear material released from damaged circulating cells. It has been proposed that SAP may function as an opsonin for a variety of ligands including autoantigens, apoptotic cells, chromatin and micro-organisms.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
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 :	HTDLSGKVFVFPRESVTDHVNLITPLEKPLQNFTLCFRAYSDLSRAYSLFSYNTQGRDNELLVYKERVGEYSLYIG RHKVTSKVIEKFPAPVHICVSWESSSGIAEFWINGTPLVKKGLRQGYFVEAQPKIVLGQEQDSYGGKFDRSQSF VGEIGDLYMWDSVLPPENILSAYQGTPLPANILDWQALNYEIRGYVIIKPLVWVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.