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32-4847: Recombinant Human Signal-Regulatory Protein Alpha

Alternative Name :	Signal-Regulatory Protein Alpha,SHPS1,CD172 Antigen-Like Family Member A,Inhibitory Receptor SHPS-1,Macrophage Fusion Receptor,PTPNS1,SIRP,P84,BIT,MFR, Brain-Immunoglobulin-Like Molecule With Tyrosine-Based Activation Motifs,Brain Ig-Like

Description

Source : Escherichia Coli. SIRPA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 370 amino acids (27-373 a.a) and having a molecular mass of 40.4kDa. SIRPA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Signal-Regulatory Protein Alpha, SIRPA belongs to the signal-regulatory-protein (SIRP) family, as well as the immunoglobulin super family. The members of the SIRP family are receptor-type transmembrane glycoproteins which are involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. SIRPA can be phosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and perform as substrates of PTPs. SIRPA take part in signal transduction mediated by a variety of growth factor receptors. CD47 has been shown to be a ligand for SIRPA.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	SIRPA protein solution (0.5mg/ml) containing PBS buffer (pH 7.4), 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSGVAGEEE LQVIQPDKSV LVAAGETATL RCTATSLIPV GPIQWFRGAG PGRELIYNQK EGHFPRVTTV SDLTKRNNMD FSIRIGNITP ADAGTYYCVK FRKGSPDDVE FKSGAGTELS VRAKPSAPVV SGPAARATPQ HTVSFTCESH GFSPRDITLK WFKNGNELSD FQTNVDPVGE SVSYSIHSTA KVVLTREDVH SQVICEVAHV TLQGDPLRGT ANLSETIRVP PTLEVTQQPV RAENQVNVTC QVRKFYPQRL QLTWLENGNV SRTETASTVT ENKDGTYNWM SWLLVNVSAH RDDVKLTCQV EHDGQPAVSK SHDLKVSAHP KEQGSNTAAE NTGSNERNIY.