9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SIRPA Human

Signal-Regulatory Protein Alpha Human Recombinant
RCP2099

Product Overview

Name	SIRPA Human
Description	
Signal-Regulatory Protein Alpha Human Recombinant	
Accession (Primary)	P78324
Synonyms	

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 Molecule With Tyrosine-Based Activation Motifs, Protein Tyrosine Phosphatase, Non-Receptor Type Substrate 1, Tyrosine-Protein Phosphatase Non-Receptor Type Substrate 1, Tyrosine Phosphatase SHP Substrate 1, Signal-Regulatory Protein Alpha-1 , ignal-Regulatory Protein Alpha-2, Signal-Regulatory Protein Alpha-3, SHP Substrate 1, CD172a Antigen, Myd-1 Antigen, MyD-1 Antigen, Sirp-Alpha-1, Sirp-Alpha-2, Sirp-Alpha-3, CD172A, SHPS-1, MYD-1, MYD1, Tyrosine-protein phosphatase non-receptor type substrate 1.

Introduction

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

SIRPA protein solution (0.5mg/ml) containing PBS buffer (pH 7.4), 10% glycerol and 1mM DTT.

Stability

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.

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Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS GVAGEEE 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.

Precautions

SIRPA Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P78324)