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

SIRPA Human, HEK

Signal-Regulatory Protein Alpha Human Recombinant, HEK
RCP2100

Product Overview

Name	SIRPA Human, HEK

Description

Signal-Regulatory Protein Alpha Human Recombinant, HEK

Accession (Primary)	P78324

Synonyms

Tyrosine-protein phosphatase non-receptor type substrate 1 isoform 1, SHP substrate 1, SHPS-1, Brain Iglike molecule with tyrosine-based activation motifs, Bit, CD172 antigen-like family member A, MYD1, PTPNS1, SHPS1,SIRP, Inhibitory receptor SHPS-1, Macrophage fusion receptor, MyD-1 antigen, Signal-regulatory protein alpha-1, Sirp-alpha-1, Signalregulatory protein alpha-2, Sirp-alpha-2, Signal-regulatory protein alpha-3, Sirp-alpha-3, p84, CD172a, BIT, MFR.

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

HEK293 Cells.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The SIRPA solution (1mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.

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.

Purity

Greater than 95% as determined by SDS-PAGE.

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Amino acid sequence

DGSGVAGEEE 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 HHHHHH .

Biological Activity

Measured by its binding ability in a functional ELISA with Human CD47.

Precautions

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

Target Information: (P78324)