

Product datasheet for PH307315

SIRP alpha (SIRPA) (NM_080792) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SIRPA MS Standard C13 and N15-labeled recombinant protein (NP_542970)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207315
Predicted MW:	54.8 kDa
Protein Sequence:	>RC207315 protein sequence Red=Cloning site Green=Tags(s)

MEPAGPAPGRLGPLLCLLLAASCAWSGVAGEEELQVIQPKSVSVAAGESAILHCTVTSVIPVGPQWFR
GAGPARELIYNQKEGHFPRVTVSESTKRENMDFSISISNITPADAGTYCVKFRKGSPTTEFKSGAGTE
LSVRAKPSAPVVS GPAARATPQHTVSFTCESHGFSPRDITLKWFKNGNELSDFQTNVDPVGESVSYSIHS
TAKVVL TREDVHSQVICEVAHVTLQGDPLRGTANLSETIRVPPTLEVTQQPVRAENQVNVTCQVRKFYPQ
RLQLTWLENGVSRTEASTVTENKDGTYNMSWLLVNVSAHRDDVKLTCQVEHDGQPAVSKSHDLKVSA
HPKEQGSNTAAENTGSNERNIYIVVGVVCTLLVALLMAALYLVRIRQKKAQGSTSSTRLHEPEKNAREIT
QDTNDITYADLNLPGKPKPAPQAAEPNNHTEYASIQTSQPASEDTLTYADLDMVHLNRTPKQPAPKPEP
SFSEYASVQVPRK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_542970</u>
RefSeq Size:	3868
RefSeq ORF:	1509



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Synonyms: BIT; CD172A; MFR; MYD-1; P84; PTPNS1; SHPS1; SIRP

Locus ID: 140885

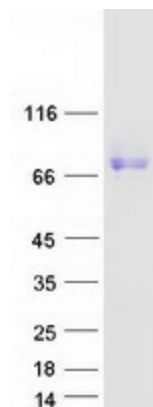
UniProt ID: [P78324](#)

Cytogenetics: 20p13

Summary: The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein 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 serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein. This gene and its product share very high similarity with several other members of the SIRP family. These related genes are located in close proximity to each other on chromosome 20p13. Multiple alternatively spliced transcript variants have been determined for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Phosphatase, Transmembrane

Product images:



Coomassie blue staining of purified SIRPA protein (Cat# [TP307315]). The protein was produced from HEK293T cells transfected with SIRPA cDNA clone (Cat# [RC207315]) using MegaTran 2.0 (Cat# [TT210002]).