

Product datasheet for PH322380

SIRP alpha (SIRPA) (NM_001040022) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SIRPA MS Standard C13 and N15-labeled recombinant protein (NP_001035111)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222380
Predicted MW:	54.8 kDa
Protein Sequence:	RC222380
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:	NP_001035111
RefSeq Size:	4201
RefSeq ORF:	1515
Synonyms:	BIT; CD172A; MFR; MYD-1; P84; PTPNS1; SHPS1; SIRP
Locus ID:	140885
UniProt ID:	P78324
Cytogenetics:	20p13



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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# [TP322380]). The protein was produced from HEK293T cells transfected with SIRPA cDNA clone (Cat# [RC222380]) using MegaTran 2.0 (Cat# [TT210002]).