

# Recombinant Human SIRPA Protein, V6, Glu31-Arg370, S105P, C-His-Avi tagged, Biotinylated

Cat. No. SIRPA-227H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant human SIRP alpha V6-C-His-Avi protein was developed from HEK293 and has a target region of C-His-Avi.

### Species

Human

### Source

HEK293

### ProteinLength

Glu31-Arg370, S105P

### Description

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.

### Conjugation/Label

Biotin

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<b>Form</b>	Lyophilised
<b>Endotoxin</b>	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
<b>Notes</b>	FOR RESEARCH USE ONLY (RUO).
<b>Storage</b>	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade.
<b>Storage Buffer</b>	Lyophilised from 0.2 μm filtered PBS solution pH 7.4. Upon receipt centrifuge vial to ensure maximal product extraction, recommended: 20 sec, 5K RPM
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SIRPA signal-regulatory protein alpha [ Homo sapiens (human) ]
<b>Official Symbol</b>	SIRPA
<b>Synonyms</b>	SIRPA; signal-regulatory protein alpha; protein tyrosine phosphatase, non receptor type substrate 1, PTPNS1; tyrosine-protein phosphatase non-receptor type substrate 1; BIT; CD172a; MFR; MYD 1; P84; SHPS 1; SHPS1; SIRP; SIRP ALPHA 1; SIRPalpha; SIRPalpha2; myd-1 antigen; inhibitory receptor SHPS-1; macrophage fusion receptor; CD172 antigen-like family member A; tyrosine phosphatase SHP substrate 1; brain-immunoglobulin-like molecule with tyrosine-based activation motifs; MYD-1; CD172A; PTPNS1;
<b>Gene ID</b>	140885
<b>mRNA Refseq</b>	NM_001040022

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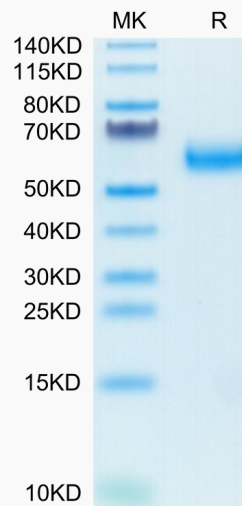
 45-1 Ramsey Road, Shirley, NY 11967, USA

**Protein Refseq**      NP\_001035111

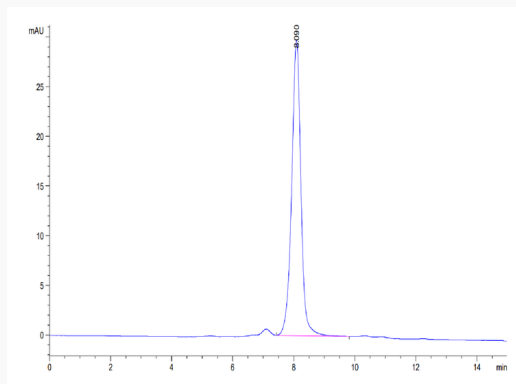
**MIM**                    602461

**UniProt ID**            P78324

**Biotinylated Human  
SIRP alpha V6 on  
Tris-Bis PAGE under  
reduced condition.  
The purity is greater  
than 95%.**



**The purity of  
Biotinylated Human  
SIRP alpha V6 is  
greater than 95% as  
determined by SEC-  
HPLC.**



**Immobilized  
Biotinylated Human**

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**SIRP alpha V6, His**  
**Tag at 1 µg/mL (100**  
**µL/Well) on the plate.**  
**Dose response curve**  
**for Human CD47, hFc**  
**Tag with the EC50 of**  
**1.8 µg/mL**  
**determined by**  
**ELISA.**

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