

# Recombinant Human SIRPA protein, His-Avi-tagged

**Cat. No.** SIRPA-6743H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SIRPA protein(P78324 variant 6)(Glu31-Arg370(S105P)), fused with C-terminal His and Avi tag, was expressed in HEK293.                      |
| <b>Species</b>          | Human                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                       |
| <b>ProteinLength</b>    | Glu31-Arg370(S105P)                                                                                                                                          |
| <b>Tag</b>              | C-His-Avi                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                               |
| <b>Bio-activity</b>     | Immobilized Human SIRP alpha V6, His Tag at 5ug/ml (100ul/Well). Dose response curve for Human CD47, hFc Tag with the EC50 of 0.76ug/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 39.9 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.                           |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                      |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                             |
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

defrost freezer and avoid repeated freeze-thaw cycles.

#### Reconstitution

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** [SIRPA signal-regulatory protein alpha \[ Homo sapiens \]](#)

**Official Symbol** [SIRPA](#)

**Synonyms** 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;

**Gene ID** [140885](#)

**mRNA Refseq** [NM\\_001040022](#)

**Protein Refseq** [NP\\_001035111](#)

**MIM** [602461](#)

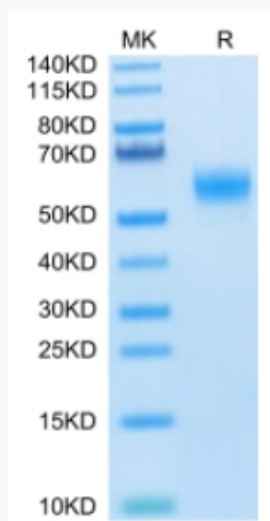
**UniProt ID** [P78324](#)

 Tel: 1-631-559-9269 1-516-512-3133

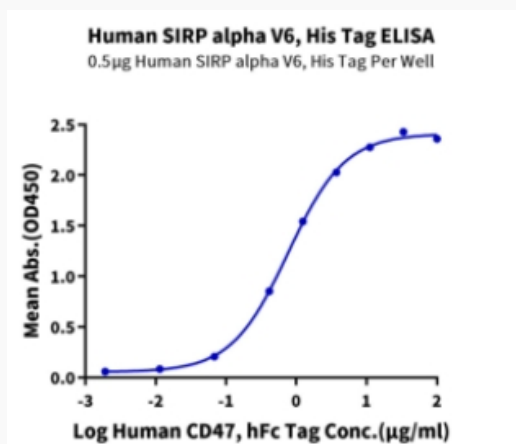
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

## Tris-Bis PAGE



## ELISA Data



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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