

## Recombinant Human SIRPA protein, hFc-tagged

**Cat. No.** SIRPA-520H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SIRPA protein(P78324-1)(Glu31-Arg370), fused with C-terminal hFc tag, was expressed in HEK293.                                                       |
| <b>Species</b>          | Human                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                 |
| <b>ProteinLength</b>    | Glu31-Arg370                                                                                                                                                           |
| <b>Tag</b>              | C-hFc                                                                                                                                                                  |
| <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 CD47, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human SIRP alpha, hFc Tag with the EC50 of 82.1ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 64.1 kDa. Due to glycosylation, the protein migrates to 78-90 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 SEC-HPLC                                                                                                  |

 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

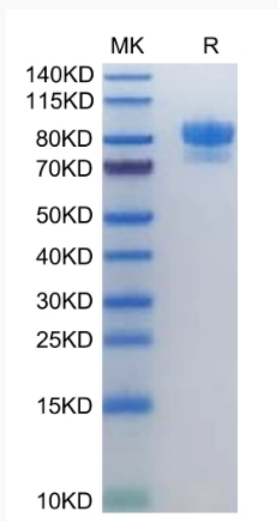
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                                                                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | SIRPA signal-regulatory protein alpha [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_001035111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 602461                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | P78324                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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

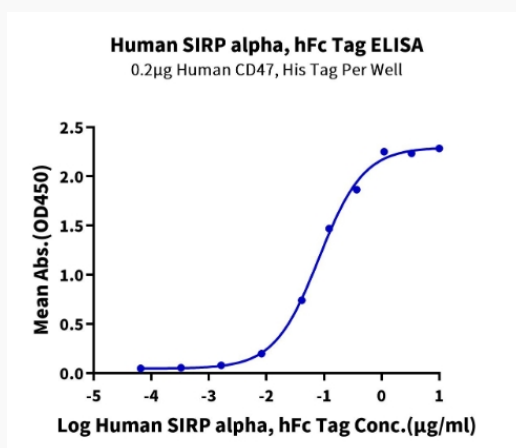
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 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