

## Active Recombinant Human SIRPA protein, hFc&His-tagged

Cat. No. SIRPA-2690H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human SIRP-alpha/CD172a Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu31-Arg370) of human SIRP alpha/CD172a (Accession #NP_542970.1) fused with an Fc, 6xHis tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Glu31-Arg370
<b>Form</b>	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
<b>Bio-activity</b>	<p>1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human CD47 at 1 µg/mL (100 µL/well) can bind Recombinant Human SIRP alpha with a linear range of 1-6 ng/mL.</p> <p>2. Loaded Human SIRP-alpha/CD172a Protein, C-hFc&amp;His on ProA Biosensor, can bind Human CD47 Protein, C-His Tag with an affinity constant of 11.1 nM as determined in BLI assay (Gator).</p> <p>3. Measured by the ability of the immobilized protein to support the adhesion of the OVCAR-3 cells. The ED50 for this effect is 0.53-2.12 µg/mL.</p>
<b>Molecular Mass</b>	80-100 kDa
<b>Endotoxin</b>	< 0.1

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	EU/μg of the protein by LAL method.
<b>Purity</b>	> 95% by SDS-PAGE.
<b>Storage</b>	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
<b>Reconstitution</b>	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">SIRPA signal-regulatory protein alpha [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">SIRPA</a>
<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>	<a href="#">140885</a>
<b>mRNA Refseq</b>	<a href="#">NM_001040022</a>
<b>Protein Refseq</b>	<a href="#">NP_001035111</a>
<b>MIM</b>	<a href="#">602461</a>

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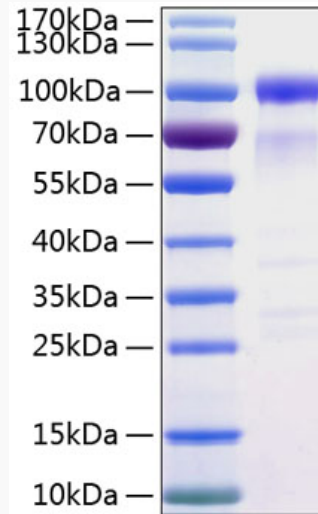
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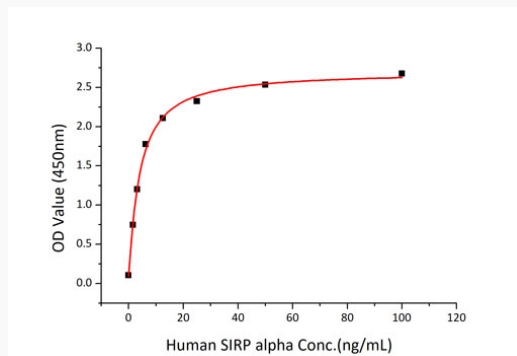
UniProt ID

P78324

SDS-PAGE



Bio-activity



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