

# Rat SIRP alpha/CD172a (His Tag) recombinant protein



Catalog Number: 500518

## General Information

### Gene Name Synonym

Brain Ig-like molecule with tyrosine-based activation motifs; CD172 antigen-like family member A; Inhibitory receptor SHPS-1; Macrophage fusion receptor; Macrophage membrane protein MFP150; Signal-regulatory protein alpha-1

### Protein Construction

A DNA sequence encoding the rat SIRPA (P97710) (Met1-Asn373) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Lys 32

### Molecular Mass

The recombinant rat SIRPA comprises 353 amino acids and predicts a molecular mass of 39 kDa. The apparent molecular mass of the recombinant protein is approximately 63-80 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

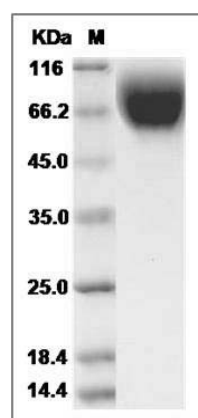
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Rat SIRP alpha / CD172a Protein (His Tag) SDS-PAGE