

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



Catalog Number: 502091

## General Information

### Gene Name Synonym

Brain Ig-like molecule with tyrosine-based activation motifs; CD172 antigen-like family member A; Inhibitory receptor SHPS-1; MyD-1 antigen; Signal-regulatory protein alpha-1; p84

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse SIRPA (BAA20376.1) (Met 1-Asn 373) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized mouse SIRPA-His at 10 µg/ml (100 µl/well) can bind human CD47-Fc (Cat:504230), The EC<sub>50</sub> of human CD47-Fc (Cat:504230) is 0.05-0.13 µg/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

## Predicted N terminal

Thr 32

## Molecular Mass

The secreted recombinant mouse SIRPA comprises 353 amino acids and has a calculated molecular mass of 39.4 kDa. As a result of glycosylation, the apparent molecular mass of rmSIRPA is approximately 50-70 kDa in SDS-PAGE under reducing conditions.

## 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

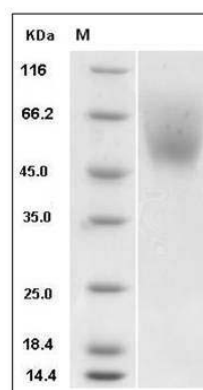
### Storage

Store it under sterile conditions at -20°C to -80°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



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



Catalog Number: 502091

---

Mouse SIRP alpha / CD172a Protein (His Tag)

SDS-PAGE