

# Human SIRPG/SIRP gamma/CD172g (His Tag) recombinant protein



Catalog Number: 500317

## General Information

### Gene Name Synonym

CD172 antigen-like family member B; Signal-regulatory protein beta-2

### Protein Construction

A DNA sequence encoding the human SIRPG (NP\_061026.2) extracellular domain (Met 1-Ser 364) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human SIRPG-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 0.58-1.34 µg/ml.

### Purity

> 96 % 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

Val 64

## Molecular Mass

The recombinant human SIRPG consists of 312 amino acids and predicts a molecular mass of 34.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhSIRPG is approximately 45-48 kDa 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

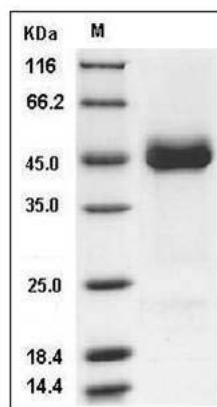
### Storage

Store it under sterile conditions at -20°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



Human SIRPG / SIRP gamma / CD172g Protein  
(His Tag) SDS-PAGE