

# Biotinylated Recombinant Human SIRP-beta 1/CD172b Protein

Catalog No.: RP02591B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	10326	Q5TFQ8-1

### Tags

C-His&Avi

### Synonyms

SIRP-beta-1 isoform 3; SIRPB1; CD172b;  
DKFZp686A05192; FLJ26614;  
9930027N05Rik; SIRP-beta; Sirpb;  
Sirpb1; Sirpb1a

## Product Information

### Source

HEK293 cells

### Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

### Calculated MW

39.9 kDa

### Observed MW

55-68 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126

## Background

Signal regulatory protein β1 (SIRPB1) is a signal regulatory protein member of the immunoglobulin superfamily and is capable of modulating receptor tyrosine kinase-coupled signaling. Copy number variations at the SIRPB1 locus were previously reported to associate with prostate cancer aggressiveness in patients. SIRPB1 gene amplification and overexpression were detected in prostate cancer specimens. The knockdown of SIRPB1 significantly suppressed cell growth in colony formation assays and cell mobility.

## Basic Information

### Description

Biotinylated Recombinant Human SIRP-beta 1/CD172b Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Glu30-Leu371) of Human SIRP-beta 1/CD172b fused with His tag and Avi tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

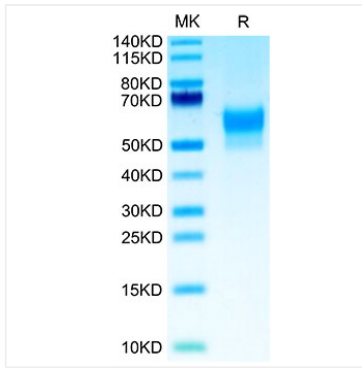
### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

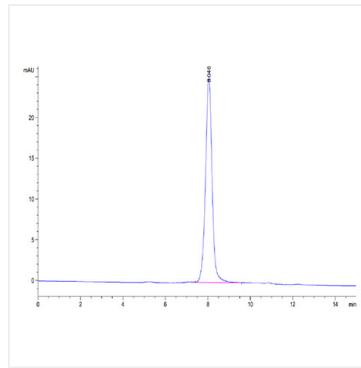


## Validation Data

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Biotinylated Recombinant Human SIRP-beta 1/CD172b Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human SIRP Beta 1 Isoform 3 is greater than 95% as determined by SEC-HPLC.