

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	Purification
HEK293 cells	> 95% by Tris-Bis PAGE and HPLC

Calculated MW	Observed MW
39.9 kDa	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

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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

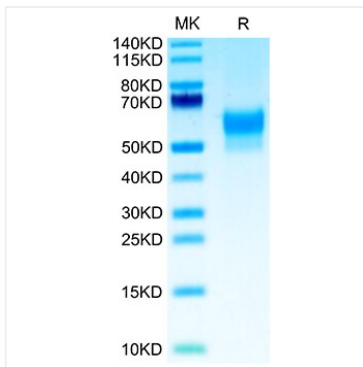
Biotinylated Recombinant Human SIRP-beta 1/CD172b Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Glu30-Leu371) of Human SIRP-beta 1/CD172b fused with His tag and Avi tag at the C-terminus.

Bio-Activity

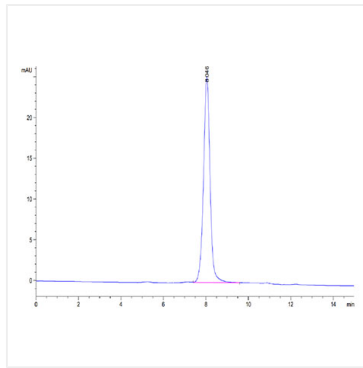
Storage

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.

Validation Data



Biotinylated Human SIRP Beta 1 Isoform 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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