

Biotinylated Recombinant Human SIRP-beta 1 /CD172b Protein

Catalog No.: RP02591B

Sequence Information

Species	Gene ID
Human	10326
Swiss Prot	Tags
Q5TFQ8-1	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 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by 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%

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

Contact

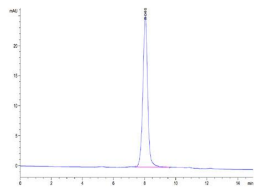
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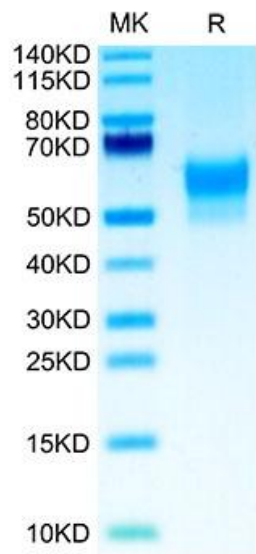
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Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Validation Data



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



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