

For Research Use Only

Recombinant Human SIRP beta 1/CD172b protein (rFc Tag)



Catalog Number: Eg1668

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human SIRP beta 1 protein Glu30-Leu371 (Accession# O00241-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

10326

Accession:

O00241-1

Predicted Molecular Mass:

63.5 kDa

SDS-PAGE:

65-85 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

SIRP beta 1, also known as SIRPB1, CD172b, or PVRL2, is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are cell surface signaling receptors differentially expressed in leukocytes and the central nervous system. SIRP Beta 1 interacts with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. SIRP Beta 1 also participates in the recruitment of tyrosine kinase SYK (PMID: 10604985; 38594692).

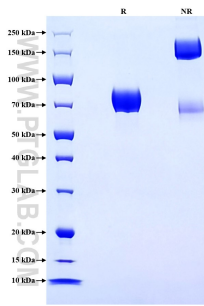
References

1. Dietrich J. et al. (2000). J Immunol. 164(1):9-12.
2. Geng R. et al. (2024). J Transl Med. 22(1):338.

Synonyms

SIRP BETA 1, SIRPB1, CD172 antigen-like family member B, CD172b, Signal-regulatory protein beta-1

Selected Validation Data



Purity of Recombinant Human SIRP beta 1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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