

Recombinant Human CD172a/SIRPA Protein (Fc Tag)

Catalog Number:PKSH033061

1 Publications



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms

Tyrosine-Protein Phosphatase Non-Receptor Type Substrate 1:SHP Substrate 1;SHPS-1;Brain Ig-Like Molecule with Tyrosine-Based Activation Motifs;Bit;CD172 Antigen-Like Family Member A;Inhibitory Receptor SHPS-1;Macrophage Fusion Receptor;MyD-1 Antigen;Signal-Regulatory Protein Alpha-1;Sirp-Alpha-1;Signal-Regulatory Protein Alpha-2;Sirp-Alpha-2;Signal-Regulatory Protein Alpha-3;Sirp-Alpha-3;p84;CD172a;SIRPA;BIT;MFR;MYD1;PTPNS1;SHPS1;SIRP

Species

Human

Expression Host

HEK293 Cells

Sequence

Glu31-Arg370

Accession

CAA71403.1

Calculated Molecular Weight

64.1 kDa

Observed molecular weight

85-105 kDa

Tag

C-Fc

Properties

Purity

> 95 % as determined by reducing SDS-PAGE.

Endotoxin

< 1.0 EU per μ g of the protein as determined by the LAL method.

Storage

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping

This product is provided as lyophilized powder which is shipped with ice packs.

Formulation

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

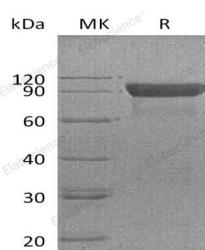
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution

Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Signal Regulatory Protein α (SIRP α) is a monomeric approximately 90 kD type I transmembrane glycoprotein. The 504 amino acid human SIRP α contains two Ig-like C1-type domains and one Ig-like V-type domain. SIRP α can express in

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various tissues, mainly on brain and myeloid cells, including macrophages, neutrophils, dendritic and Langerhans cells. It also can detect in neurons, smooth muscle and endothelial cells. SIRPA is an immunoglobulin-like cell surface receptor for CD47. SIRP α acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. SIRP α shows adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. SIRP α engagement generally produces a negative regulatory signal; it may mediate negative regulation of phagocytosis, mast cell activation and dendritic cell activation

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