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Recombinant Human SIRP-gamma/CD172g Protein

Catalog No.: RP00614 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	55423	Q9P1W8

Tags
C-Fc

Synonyms
SIRPG;CD172g;SIRP-B2;SIRPB2;SIRPgamma;bA77C3.1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
63.9 kDa	70-80 kDa

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

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.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 stablizer (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 Gamma (SIRPG) is a member of the signal-regulatory protein (SIRP) family and alsobelongs to the immunoglobulin superfamily. SIRPG is detected in the liver, and at very low levels in the brain,heart, lung, pancreas, kidney, placenta, and skeletal muscle. SIRPG is an immunoglobulin-like cell surfacereceptor. On binding with CD47, SIRPG mediates cell-cell adhesion. Engagement on T-cells by CD47 on antigen-presenting cells results in enhanced antigen-specific T-cell proliferation and costimulates T-cell activation.SIRPG as receptor-type transmembrane glycoproteins is involved in the negative regulation of receptortyrosine kinase-coupled signaling processes.

Basic Information

Description
Recombinant Human SIRP-gamma/CD172g Protein is produced by Human cells expression system. The target protein is expressed with sequence (Glu29-Pro360) of human SIRP-gamma/CD172g (Accession #Q9P1W8) fused with an Fc 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℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.

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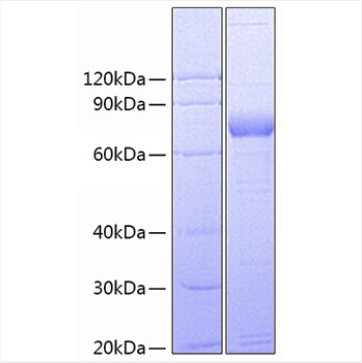
Validation Data



Recombinant Human SIRP-gamma/CD172g Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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