

Active Recombinant Human SIRPG protein(Met1-Ser364), His-tagged

Cat. No. SIRPG-3787H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRPG (NP_061026.2) extracellular domain (Met1-Ser364) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser364
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human SIRPG-His at 10 µg/ml (100 µl/well) can bind human CD47-Fc, The EC50 of human CD47-Fc is 0.58-1.34 µg/ml.
Molecular Mass	The recombinant human SIRPG consists of 347 amino acids and predicts a molecular mass of 38.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of human SIRPG is approximately 45-48 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 96 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name SIRPG signal-regulatory protein gamma [Homo sapiens]

Official Symbol SIRPG

Synonyms SIRPG; signal-regulatory protein gamma; signal regulatory protein beta 2 , SIRPB2; bA77C3.1; CD172g; SIRP B2; SIRPgamma; SIRP-gamma; SIRP beta 2; SIRP-beta-2; CD172g antigen; signal-regulatory protein beta 2; signal-regulatory protein beta-2; CD172 antigen-like family member B; SIRPB2; SIRP-B2; FLJ42230;

Gene ID 55423

mRNA Refseq NM_001039508

Protein Refseq NP_001034597

MIM 605466

UniProt ID Q9P1W8

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