

Human SIRP Gamma/CD172g Protein

HA210082



Product name:	Human SIRP Gamma/CD172g Protein
Species reactivity:	Human
Protein construction description:	Recombinant Human SIRP Gamma/CD172g Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu29-Pro360.
Background:	Signal regulatory protein gamma (SIRP gamma, designated CD172g), also called SIRP beta 2, is a monomeric 45-47 kDa type I transmembrane protein belonging to the SIRP/SHPS (CD172) family of the Ig superfamily. SIRP gamma is probable immunoglobulin-like cell surface receptor. On binding with CD47, 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.
Purity:	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
Endotoxin:	Less than 1EU per µg by the LAL method.
Source:	HEK293
Accession:	Q9P1W8
Predicted molecular mass:	The protein has a predicted MW of 39.7 kDa. Due to glycosylation, the protein migrates to 45-52 kDa based on Tris-Bis PAGE result.
Formulation:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage:	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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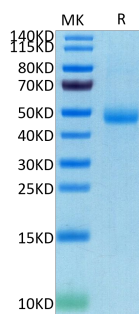


Fig1: Human SIRP Gamma on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

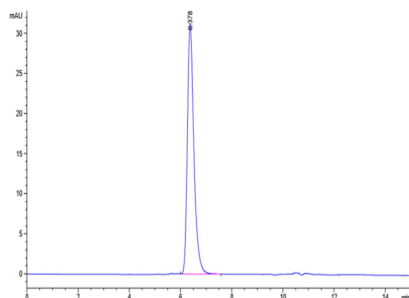


Fig2: The purity of Human SIRP Gamma is greater than 95% as determined by SEC-HPLC.

Human SIRP Gamma, His Tag ELISA
0.5µg Human SIRP Gamma, His Tag Per Well

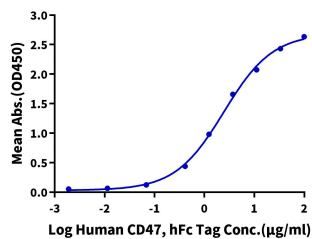


Fig3: Immobilized Human SIRP Gamma, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human CD47, hFc Tag with the EC50 of 2.46µg/ml determined by ELISA.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".