

# Biotinylated Recombinant Human SIRP-gamma/CD172g www.abclonal.com Protein

Catalog No.: RP00310B Recombinant

# **Sequence Information**

**Species Gene ID Swiss Prot** Human 55423 Q9P1W8

**Tags** C-His&Avi

**Synonyms** 

CD172g; FLJ42230; SIRP beta 2; SIRP gamma; SIRP-B2; SIRPG; Cripto-1; bA77C3.1; SIRP β 2

## **Product Information**

Source Purification

HEK293 cells  $\geq$  95 % as determined by SDS-PAGE; $\geq$  95 % as

determined by HPLC.

Calculated MW Observed MW

39.7 kDa 48-53 kDa

**Endotoxin** 

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

## **Formulation**

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

#### Reconstitution

Centrifuge the vial 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**

6	400-999-6126
$\times$	cn.market@abclonal.com.cn

# **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.

## **Basic Information**

## **Description**

Biotinylated Recombinant Human SIRP-gamma/CD172g Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu29-Pro360) of Human SIRP-gamma/CD172g (Accession #Q9P1W8) fused with a C-His&Avi 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°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

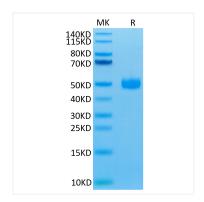
After reconstitution, the protein solution is stable at -20  $^{\circ}\text{C}$  for 3 months, at 2-8  $^{\circ}\text{C}$  for up to 1 week.

Avoid repeated freeze/thaw cycles.

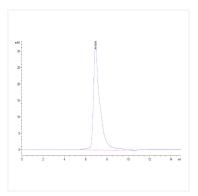
## **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

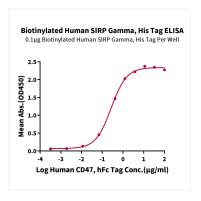
# **Validation Data**



Biotinylated Recombinant Human SIRPgamma/CD172g Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human SIRP gamma is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human SIRP Gamma, His Tag at 1  $\mu$ g/mL (100  $\mu$ L/well) on the streptavidin precoated plate (5  $\mu$ g/mL). Dose response curve for Human CD47, hFc Tag with the EC<sub>50</sub> of 0.27  $\mu$ g/mL determined by ELISA.