

[Go to Product page](#)

Datasheet for ABIN1692273 SIRPG Protein (AA 29-360) (Fc Tag)

Overview

Quantity:	50 µg
Target:	SIRPG
Protein Characteristics:	AA 29-360
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIRPG protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Signal-Regulatory Protein γ/SIRPG/CD172g (C-Fc)
Sequence:	EEELQMIQPE KLLLVTVGKT AT LHCTVTSL LPVGPVLWFR GVGP GRELIY NQKEGHFPRV TTVSDLTKRN NMDFSIRISS ITPADVGTY Y CVKFRKGSPE NVEFKSGPGT EMALGAKPSA PVVLGPAART TPEHTVSFTC ESHGFSPRDI TLKWFKNNGNE LSDFQTNVDP TGQSVAYSIR STARVVLDPW DVRSQVICEV AHVTLQGDPL RGTANLSEAI RVPPTLEV TQ QPMRVGNQVN VTCQVRKFYP QSLQLT WSEN GNVCQRETAS TLTENKDGTY NWT SWFLVNI SDQRDDV VLT CQVKHDGQLA VSKRLALEVT VHQKDQSSDA TPVDDIEGRM DEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGK
Characteristics:	Recombinant Human Signal-Regulatory Protein Gamma/SIRPG is produced with our HEK293 expression system. The target protein is expressed with sequence (Glu29-Pro360) of Human

Product Details

	SIRPG fused with a FC tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	SIRPG
Alternative Name:	SIRPG (SIRPG Products)
Sub Type:	Fusionprotein
Background:	<p>Signal-Regulatory Protein Gamma (SIRPG) is a member of the signal-regulatory protein (SIRP) family and also belongs 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.</p> <p>SIRPG is an immunoglobulin-like cell surface receptor. 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 receptor tyrosine kinase-coupled signaling processes.</p> <p>Alternative Names: Signal-Regulatory Protein Gamma, SIRP-Gamma, CD172 Antigen-Like Family Member B, Signal-Regulatory Protein Beta-2, SIRP-b2, SIRP-Beta-2, CD172g, SIRPG, SIRPB2</p>
Molecular Weight:	63.9kDa
UniProt:	Q9P1W8

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>

Handling

Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months