

Datasheet for ABIN7596148
SIRPG Protein (AA 29-360) (hIgG-His-tag)



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Overview

Quantity:	500 µg
Target:	SIRPG
Protein Characteristics:	AA 29-360
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SIRPG protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	EEELQMI QPEKLLLVTV GKTATLHCTV TSLLPVG PVL WFRGVGPGRE LIYNQKEGHF PRVTTVSDLT KRNNMDFSIR ISSITPADVG TYYCVKFRKG SPENVEFKSG PGTEMALGAK PSAPVVLGPA ARTTPEHTVS FTCESHGFS RDITLKWFKN GNELSDFQTN VDPTGQSVAY SIRSTARVVL DPWDVRSQVI CEVAHVT LQG DPLRG TANLS EAIRVPPTLE VTQQPMRVGN QVNVTCQVRK FYPQSLQLTW SENG NVCQRE TASTLTENKD GTYNWTSWFL VNISDQRDDV VLTCQVKHDG QLAVSKRLAL EVTVHQKDQS SDATP
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by its binding ability in a functional ELISA with Human CD47 (CAT# ATGP4015). The ED50 range ≤ 1 ug/ml.

Target Details

Target:	SIRPG
Alternative Name:	SIRP gamma/CD172g (SIRPG Products)
Background:	SIRPG, also known as signal-regulatory protein gamma isoform 1, is a member of a closely related family of three cell surface receptors implicated in modulating immune/inflammatory responses. It is the only SIRP known to be expressed on T cells, CD56 bright NK cells and activated NK cells. Expression of SIRPG on T cells suggests a role as an accessory protein interacting with CD47-expressing antigen presenting cells. Engagement of CD47 by SIRPG was shown to induce apoptosis on T-cell and monocyte cell lines. Recombinant human SIRPG, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	64 kDa (574aa)
NCBI Accession:	NP_061026

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.