

Active Recombinant Human SIRPG Protein, hlgG/His-tagged

Cat. No. SIRPG-09H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SIRPG (29-360aa), fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	29-360aa
Description	The protein encoded by this gene is a member of the signal-regulatory protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. Alternatively spliced transcript variants encoding different isoforms have been described.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Human CD47. The ED50 range $\leq 1 \mu\text{g/mL}$.
Molecular Mass	64 kDa (574aa)
AA Sequence	EEELQMIQPEKLLLVTVGKTATLHCTVTSLLPVG PVLWFRGVGPGRELIYNQKEGHF PRVTTVSDLTKRNNMDFSISSITPADVGTYYCVKFRKGPENVEFKSGPGTEMAL

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GAKPSAPVVLGPAARTTPEHTVSFTCESHGFSPRDITLKWFKNGNELSDFQTNVDP
 TGQSVAYSIRSTARVVLDPWVRSQVICEVAHVTLQGDPLRGTANLSEAIRVPPTLE
 VTQQPMRVGNQVNVTCQVRKFYPQSLQLTWSENGNVCQRETASTLTENKDGTYN
 WTSWFLVNISDQRDDVVLTCQVKHGDGQLAVSKRLALEVTVHQKQSSDATP

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 90% by SDS-PAGE

Applications SDS-PAGE, Bioactivity

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/mL (determined by absorbance at 280nm)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

GENE INFORMATION

Gene Name [SIRPG signal regulatory protein gamma \[Homo sapiens \(human\) \]](#)

Official Symbol [SIRPG](#)

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

Gene ID [55423](#)

mRNA Refseq [NM_018556](#)

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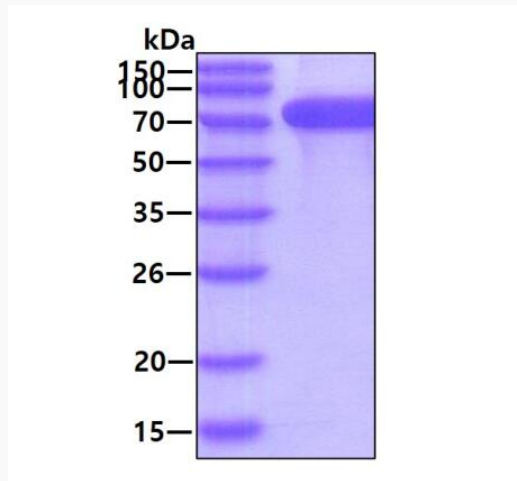
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_061026

MIM 605466

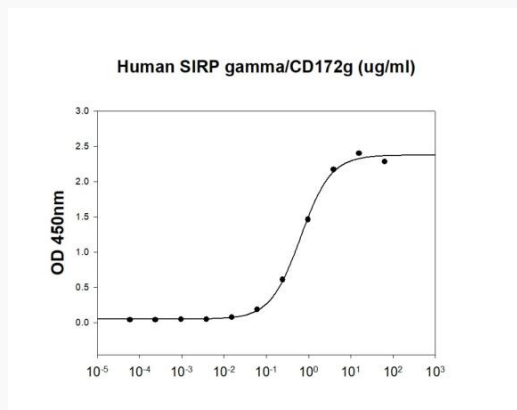
UniProt ID Q9P1W8

SDS-PAGE



3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

Biological Activity



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Human CD47 is coated at 1 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) can bind Human SIRP
gamma/CD172g. The ED range $\leq 1 \mu\text{g}/\text{mL}$.

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