SIRP gamma/CD172g Active Protein | SIRPgamma/CD172g active protein

Recombinant human SIRP gamma/CD172g protein

CATALOG #	HOST	APPLICATIONS
AAA48402	**Baculovirus**	**SDS-Page**

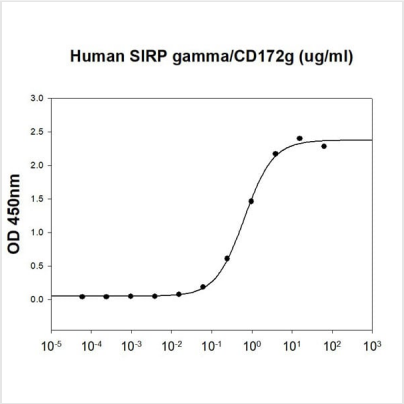
PRODUCT SYNONYMS

SIRP gamma/CD172g; Recombinant human SIRP gamma/CD172g protein; Signal-regulatory protein gamma isoform 1; SIRPG; bA77C3.1; CD172g; SIRP-B2; SIRPB2; SIRPgamma; SIRPgamma/CD172g active protein

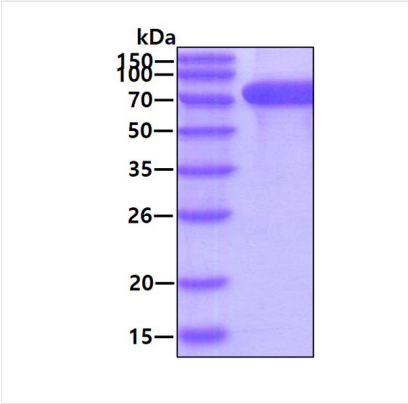
PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	>90% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 20% glycerol
Concentration	0.5mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	29-360aa
Sequence	EEELQ MIQPEKLLLV TVGKTATLHC TVTSLLPVGP VLWFRGVGPG RELIYNQKEG HFPRVTTVSD LTKRNNMDFS IRISSITPAD VGTYYCVKFR KGSPENVEFK SGPGTEMALG AKPSAPVVLG PAARTTPEHT VSFTCESHGF SPRDITLKWF KNGNELSDFQ TNVDPTGQSV AYSIRSTARV VLDPWDVRSQ VICEVAHVTL QGDPLRGTAN LSEAIRVPPT LEVTQQPMRV GNQVNVTCQV RKFYPQSLQL TWSENGNVCQ RETASTLTEN KDGTYNWTSW FLVNISDQRD DVVLTCQVKH DGQLAVSKRL ALEVTVHQKD QSSDATP
Applicable Applications for SIRPgamma/CD172g active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Human
Tag	hIgG-His-Tag
Predicted N-term	Ala
Bioactivity	Measured by its binding ability in a functional ELISA with Human CD47. The ED50 range <= 1ug/ml.
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity
Human CD47 (CAT# ATGP4015) is coated at 1 ug/ml (100 ul/well) can bind Human SIRP gamma/CD172g. The ED range



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

ADDITIONAL INFORMATION

Related Product Information for SIRPgamma/CD172g active protein	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 hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for SIRPgamma/CD172g active protein	Immunology; Adhesion & Movement; Proteins
References	Nettleship JE., et al. (2013) BMC Struct Biol. 13:13. Brooke G., et al. (2004) J Immunol. 173:2562-2570.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94538335
NCBI GeneID	55423
NCBI Accession #	NP_061026.2
NCBI GenBank Nucleotide #	NM_018556.3
UniProt Accession #	Q9P1W8; Q5D051; Q5JV25; Q5MKL4; Q8WWA5; Q9NQK8; B1AKP6
Molecular Weight	29,967 Da
NCBI Official Full Name	signal-regulatory protein gamma isoform 1
NCBI Official Synonym Full Names	signal regulatory protein gamma
NCBI Official Symbol	SIRPG
NCBI Official Synonym Symbols	CD172g; SIRPB2; SIRP-B2; bA77C3.1; SIRPgamma
NCBI Protein Information	signal-regulatory protein gamma
UniProt Protein Name	Signal-regulatory protein gamma
UniProt Gene Name	**SIRPG**
UniProt Synonym Gene Names	SIRPB2; SIRP-gamma; SIRP-b2; SIRP-beta-2
UniProt Entry Name	SIRPG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/baculovirus-sirpgamma-cd172g-active-protein/sirp-gamma-cd172g/48402