

Recombinant human SIRP gamma/CD172g protein

Catalog Number: ATGP3572

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

29-360aa

UniProt No.

Q9P1W8

NCBI Accession No.

NP_061026

Alternative Names

Signal-regulatory protein gamma isoform 1, SIRPG, bA77C3.1, CD172g, SIRP-B2, SIRPB2, SIRPgamma

PRODUCT SPECIFICATION

Molecular Weight

64 kDa (574aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

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

BACKGROUND

Description

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 expressed on T lymphocytes where it appears to be involved in the integrin-independent adhesion of lymphocytes to antigen-presenting cells. Adhesion of human T cells to antigen-presenting cells through its interaction costimulates T-cell

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proliferation. Recombinant human SIRPG, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPEEELQMI QPEKLLLVTV GKTATLHCTV TSLLPVGPVL WFRGVGPGRE LIYNQKEGHF PRVTTVSDLT KRNNMDFSIR
ISSITPADVG TYYCVKFRKG SPENVEFKSG PGTEMALGAK PSAPVVLGPA ARTTPEHTVS FTCESHGFSP RDITLKWFKN
GNELSDFQTN VDPTGQSVAY SIRSTARVVL DPWDVRSQVI CEVAHVTLQG DPLRGTANLS EAIRVPPTLE VTQQPMRVGN
QVNVTCQVRK FYPQSLQLTW SENGVCQRE TASTLTENKD GTYNWTSWFL VNISDQRDDV VLTCQVKHDG QLAVSKRLAL
EVTVHQKDQS SDATPLEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV
DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDEL
KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK
SLSLSPGKHH HHHH

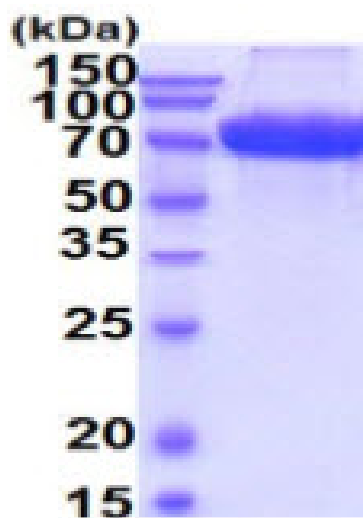
General References

Nettleship JE., et al. (2013) BMC Struct Biol. 13:13.

Brooke G., et al. (2004) J Immunol. 173:2562-2570

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)