

Recombinant human SIRP gamma/CD172g protein

Catalog Number: ATGP2747

PRODUCT INFORMATION

Expression system

E.coli

Domain

29-360aa

UniProt No.

Q9P1W8

NCBI Accession No.

NP_061026

Alternative Names

signal-regulatory protein gamma isoform 1 precursor, bA77C3.1, CD172g, SIRP-B2, SIRPB2, SIRPgamma

PRODUCT SPECIFICATION

Molecular Weight

39.1 kDa (355aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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 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. Recombinant human SIRPG protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

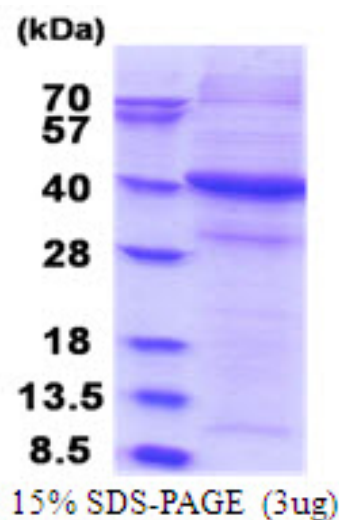
MGSSHHHHHH SSGLVPRGSH MGSEEEELQMI QPEKLLLVTV GKTATLHCTV TSLLPVG PVL WFRGVGPGRE LIYNQKEGHF
PRVTTVSDLT KRNNMDFSIR ISSITPADVG TYYCVKFRKG SPENVEFKSG PGTEMALGAK PSAPVVLGPA ARTTPEHTVS
FTCESHGFSP RDITLKWFKN GNELSDFQTN VDPTGQSVAY SIRSTARVVL DPWDVRSQVI CEVAHVTLQG DPLRG TANLS
EAIRVPPTLE VTQQPMRVGN QVNVTCQVRK FYPQSLQLTW SENG NVCQRE TASTLTENKD GTYNWTSWFL VNISDQRDDV
VLTCQVKHDG QLAVSKRLAL EVTVHQK DQS SDATP

General References

Piccio L., et al (2005). Blood 105:2421-2427
Ichigotani Y., et al (2000). J. Hum. Genet. 45:378-382

DATA

SDS-PAGE



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