

Recombinant Human RACGAP1 protein, His & GST-tagged

Cat. No. RACGAP1-1191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RACGAP1 aa. (Met106~Trp539 (Accession # Q9H0H5) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met106~Trp539
Description	This gene encodes a GTPase-activating protein (GAP) that is a component of the centralspindlin complex. This protein binds activated forms of Rho GTPases and stimulates GTP hydrolysis, which results in negative regulation of Rho-mediated signals. This protein plays a regulatory role in cytokinesis, cell growth, and differentiation. Alternatively spliced transcript variants have been found for this gene. There is a pseudogene for this gene on chromosome 12.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 78.1kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 8.9.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	RACGAP1 Rac GTPase activating protein 1 [Homo sapiens (human)]
Official Symbol	RACGAP1
Synonyms	RACGAP1; Rac GTPase activating protein 1; CYK4; ID-GAP; HsCYK-4; MgcRacGAP; rac GTPase-activating protein 1; male germ cell RacGap; protein CYK4 homolog
Gene ID	29127
mRNA Refseq	NM_001126103.2
Protein Refseq	NP_001119575.1

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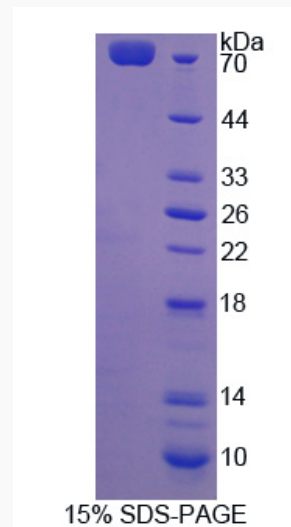
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UniProt ID

Q9H0H5

SDS-PAGE



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