

Recombinant Human Ras-Related GTP Binding C, His-tagged

Cat. No. RRAGC-5551H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanRRAGC protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Ras-related GTPbinding C, also known as RRAGC, is a monomeric guanine nucleotide-bindingprotein, or G protein. By binding GTP or GDP, small G proteins act as molecular switches in numerous cell processes and signaling pathways. RRAGC has intrinsic GTPase activity. It also regulates the organization of the actin cytoskeleton.
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl.
Molecular Weight	46.7kDa (423aa) confirmedby MALDI-TOF.
Purity	> 85% by SDS -PAGE.
Concentration	0.5 mg/ml(determined by Bradford assay).
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGS HMSLQYG AEETPLAGSY GAADSFPKDF GYGVEEEEEE AAAAGGGVGA GAGGGCGPGGADSSKPRILL MGLRRSGKSS IQKVVFHKMS PNETLFLEST NKIYKDDISN SSFVNFQIWD

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FPGQMDFFDPTFDYEMIFRG TGALIYVIDA QDDYMEALTR LHITVSKAYK
 VNPDMNFEVF IHKVDGLSDD HKIETQRDIHQRANDDLADA GLEKLHLSFY
 LTSIYDHSIF EAFSKVVQKL IPQLPTLENL LNIFISNSGI EKAFLFDVVSKIYIATDSSP
 VDMQSYELCC DMIDVVIDVS CIYGLKEDGS GSAYDKESMA IIKLNNTTVL
 YLKEVTKFLA LVCILREESFERKGLIDYNF HCFRKAIEHV FEVGVTSHRS
 CGHQTSASSL KALTHNGTPR NAI

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Official Symbol

RRAGC

GENE INFORMATION

Gene Name

RRAGC Ras-related GTP binding C[Homo sapiens]

Synonyms

RRAGC; Ras-related GTP binding C; GTR2; RAGC; ras-related GTP-binding protein C; TIB929; Rag C protein; GTPase-interacting protein 2

Gene ID

64121

mRNA Refseq

NM_022157

Protein Refseq

NP_071440

MIM

608267

UniProt ID

Q9HB90

**Chromosome
Location**

1p34

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Function

GDP binding; GTPbinding; GTPase activity; magnesium ion binding; nucleotide binding; proteinbinding; protein heterodimerization activity

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