

AR50261PU-S

Human RRAGC / Rag C (1-399, His-tag) - Purified

Alternate names:	GTPase-interacting protein 2, GTR2, RagC, Ras-related GTP-binding protein C, TIB929
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	Ras-related GTP binding C, also known as RRAGC, is a monomeric guanine nucleotide-binding protein, 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.
Uniprot ID:	Q9HB90
NCBI:	NP_071440
GeneID:	64121
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
Description:	Recombinant human RRAGC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SGLVPRGSH MGSMSLQYG AEETPLAGSY GAADSF PKDF GYGVEEEEE AAAAGGGVGA GAGGGCGPGG ADSSKPRILL MGLRRSGKSS IQKVVFHKMS PNETLFLEST NKIYKDDISN SSFVNFQIWD FPGQMDFFDP TFDYEMIFRG TGALIYVIDA QDDYMEALTR LHITVSKAYK VNPDMNFEVF IHKVDGLSDD HKIETQRDIH QRANDDLADA GLEKLHLSFY LTSIYDHSIF EAFSKVVQKL IPQLPTLENL LNIFISNSGI EKAFLFDVVS KIYIATDSSP VDMQSYELCC DMIDVVIDVS CIYGLKEDGS GSAYDKESMA IIKLNNTTVL YLKEVTKFLA LVCILREESF ERKGLIDYNF HCFRKAIEHV FEVGVTSHRS CGHQTSASSL KALTHNGTPR NAI Molecular weight: 46.7 kDa (423aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Sekiguchi T., et al. (2001) J Biol Chem. 276:7246-57. Sekiguchi T., et al. (2004) J Biol Chem. 279:8343-50.