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RRAGC Human

Ras-Related GTP Binding C Human Recombinant
RCP1929

Product Overview

Name	RRAGC Human
Description	
Ras-Related GTP Binding C Human Recombinant	
Accession (Primary)	Q9HB90
Synonyms	
Ras-related GTP-binding protein C, Rag C, RagC, GTPase-interacting protein 2, TIB929, RRAGC, GTR2.	
Introduction	
Ras-related GTP binding C (RRAGC) is a monomeric guanine nucleotide-binding protein, or G protein. As a result of binding GTP or GDP, small G proteins act as molecular regulators in various cell processes and signaling pathways. RRAGC regulates the organization of the actin cytoskeleton and has an intrinsic GTPase activity. RRAGC is possibly necessary for the amino acid-induced relocalization of mTORC1 to the lysosomes and its succeeding activation by the GTPase RHEB, which is key step in the activation of the TOR signaling cascade by amino acids.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
RRAGC protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MSLQYG AEETPLAGSY GAADSFPKDF GYGVEEEEEE 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 HCFRKAIHEV FEVGVTSHRS CGHQTSASSL KALTHNGTPR NAI.

Precautions

RRAGC Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9HB90)