

Recombinant Human Ras Homolog Gene Family, Member C, His-tagged

Cat. No. RHOC-2768H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RhoC protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 23.8 kDa (210aa).
Species	Human
Source	E.coli
ProteinLength	1-190 a.a.
Description	RhoC, also known as rho-related GTP-binding protein RhoC, is a small signaling G protein (more specifically a GTPase), and is a member of the Rac subfamily of the family Rho family of GTPases. It cycles between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. RhoC promotes reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
Purity	> 90% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino	MGSSHHHHHH SSGLVPRGSH MAAIRKKLVI VGDGACGKTC LLIVFSKDQF PEVY

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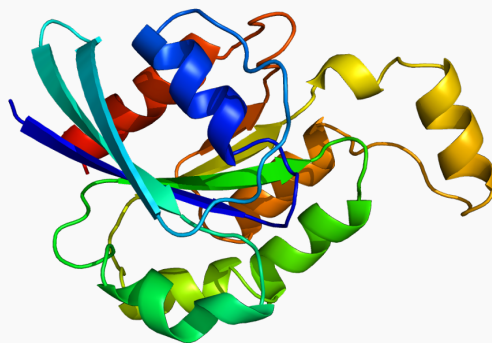
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Acids	VPTVFE NYIADIEVDG KQVELALWDT AGQEDYDRLRPLSYDPTDVI LMCFSIDSPD SLENIPEKWT PEVKHFPCPNV PIILVGNNKD LRQDEHTRRE LAKMKQEPVR SEEG RDMANR ISAFGYLECSAKTKEGVREV FEMATRAGLQ VRKNKRRRGC.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	Axon guidance; Signaling by GPCR; Signaling by Rho GTPases
GENE INFORMATION	
Gene Name	RHOC ras homolog gene family, member C [Homo sapiens]
Synonyms	ras homolog gene family, member C; H9; ARH9; ARHC; RHOH9; MGC1448; MGC61427; RHOC; rho-related GTP-binding protein RhoC; rhoC GTPase; oncogene RHO H9; rho cDNA clone 9; RAS-related homolog 9; OTTHUMP00000013803; OTTHUMP00000013804; OTTHUMP00000013806; small GTP binding protein RhoC;RhoC; Rho-related GTP-binding protein RhoC; Rho cDNA clone 9; h9
Gene ID	389
mRNA Refseq	NM_001042678
Protein Refseq	NP_001036143
MIM	165380
UniProt ID	P08134
Chromosome Location	1p13.1

Function

GTP binding; GTPase activity; nucleotide binding; protein binding; signal transducer activity

PDB rendering based
on 1a2b.



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