

Recombinant Human RHOC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RHOC-572H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RHOC MS Standard C13 and N15-labeled recombinant protein (NP_001036144) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The protein encoded by this gene is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Molecular Mass	22 kDa
AA Sequence	MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALW DTAGQEDYDRLRPLSYPD TDVILMCFSIDSPDSLENIPEKWTPEVKHFCPNVPIILVG NKKDLRQDEHTRRELAKMKQEPVRSEEGRDMANRISAFGYLECSAKTKEGVREVF EMATRAGLQVRKNKRRRGCPILTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RHOC ras homolog family member C [Homo sapiens (human)]
Official Symbol	RHOC
Synonyms	RHOC; ras homolog family member C; ARH9, ARHC, ras homolog gene family, member C; rho-related GTP-binding protein RhoC; RhoC; rhoC GTPase; oncogene RHO H9; rho cDNA clone 9; RAS-related homolog 9; small GTP binding protein RhoC; ras homolog gene family, member C; H9; ARH9; ARHC; RHOH9; MGC1448; MGC61427;
Gene ID	389
mRNA Refseq	NM_001042679
Protein Refseq	NP_001036144
MIM	165380

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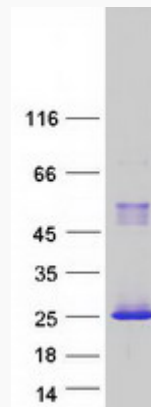
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UniProt ID

P08134

SDS-PAGE

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