

## RHOC Human

**Description:** RHOC Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 210 amino acids (1-190 a.a.) and having a molecular mass of 23.8 kDa. The RHOC is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-872

For research use only.

**Synonyms:** ARH9, ARHC, H9, RHOH9, RAS-related homolog 9, Rho cDNA clone 9, Rho-related GTP-binding protein RhoC, ARH9, MGC1448, MGC61427, RHOC.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAAIRKKLVI VGDGACGKTC  
LLIVFSKDQF PEVYVPTVFE NYIADIEVDG KQVELALWDT AGQEDYDRLR PLSYPD TDVI  
LMCFSIDSPD SLENIPEKWT PEVKHFPCNV PIILVGNKKD LRQDEHTRRE LAKMKQEPVR  
SEEGRDMANR ISAFGYLECS AKTKEGVREV FEMATRAGLQ VRKNKRRRG C.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

RHOC Human 0.5mg/ml solution containing 20mM Tris-HCl pH-8, 0.1M NaCl, 1mM DTT & 20% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

RHOC is a small signaling G protein/GTPase which is part of the Rac subfamily of the family Rho family of GTPases. RHOC rotates between inactive GDP-bound and active GTP-bound states and has a role as a molecular switch in signal transduction cascades. RHOC promotes reorganization of the actin cytoskeleton and regulates cell shape, attachment, and motility.

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