



# Recombinant Mouse Rho-related GTP-binding protein RhoC (Rhoc)

<b>Product Code</b>	CSB-EP733814MO
<b>Abbreviation</b>	Rhoc
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q62159
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAAIRKKLVI VGDGACGKTC LLIVFSKDQF PEVYVPTVFE NYIADIEVDG KQVELALWDT AGQEDYDRLR PLSYPDTDVI LMCFSIDSPD SLENIPEKWT PEVKHFPCNV PIILVGNKKD LRQDEHTRRE LAKMKQEPVR SEEGRDMANR ISAFGYLECS AKTKEGVREV FEMATRAGLQ VRKNKRRRGC
<b>Source</b>	E.coli
<b>Target Names</b>	Rhoc
<b>Protein Names</b>	Recommended name: Rho-related GTP-binding protein RhoC Alternative name(s): Silica-induced gene 61 protein Short name= SIG-61
<b>Expression Region</b>	1-190
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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. This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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