

RhoC recombinant protein

RhoC (Mature form), Active

CATALOG # AAA73118	HOST E Coli	APPLICATIONS Western Blot, ELISA
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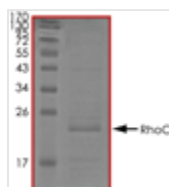
PRODUCT SYNONYMS

RhoC; RhoC (Mature form); Active; RhoC recombinant protein

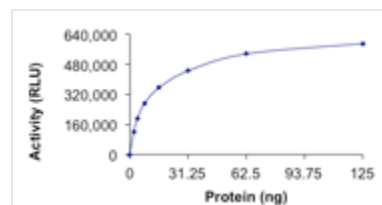
PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Sequence Positions	1-190
Sequence Length	1415
Applicable Applications for RhoC recombinant protein	WB (Western Blot), ELISA
Species	Human
Tag	HIS tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for RhoC recombinant protein	Description: Recombinant human RhoC (1-190) was expressed in E Coli cells using an N-terminal His tag. Scientific Background: RhoC is member of the Rho family of small GTPases which promote reorganization of the actin cytoskeleton during cell morphogenesis and motility and regulate cell shape, attachment and motility. Active RhoC signals to its downstream effector ROCK which phosphorylates and activates LIM kinase that in turn phosphorylates cofilin inhibiting its actin-depolymerizing activity (1). Overexpression of RhoC is associated with tumor cell proliferation and metastasis while dominant-negative RhoC inhibits metastasis (2). Analysis of the phenotype of cells expressing dominant-negative RhoC indicates that RhoC is important in tumor cell invasion.
Product Categories/Family for RhoC recombinant protein	Enzymes; Active GTPases/ATPases

References	1. Maekawa, M. et al: Signaling from Rho to the actin cytoskeleton through protein kinases ROCK and LIM-kinase. Science 285: 895-898, 1999. 2. Clark, E. A. et al: Genomic analysis of metastasis reveals an essential role for RhoC. Nature 406: 532-535, 2000.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	111494249
NCBI GeneID	389
NCBI Accession #	NM_175744.4
NCBI GenBank Nucleotide #	NM_175744
UniProt Accession #	P08134; Q6ICN3; B3KSW1
Molecular Weight	~23 kDa
NCBI Official Full Name	Homo sapiens ras homolog family member C (RHOC), transcript variant 1, mRNA
NCBI Official Synonym Full Names	ras homolog family member C
NCBI Official Symbol	RHOC
NCBI Official Synonym Symbols	H9; ARH9; ARHC; RHOH9
NCBI Protein Information	rho-related GTP-binding protein RhoC
UniProt Protein Name	Rho-related GTP-binding protein RhoC
UniProt Gene Name	RHOC
UniProt Synonym Gene Names	ARH9; ARHC; h9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.