RhoD recombinant protein

RhoD (Mature form), Active

CATALOG #	HOST	APPLICATIONS
AAA73119	**E Coli**	**Western Blot, ELISA**

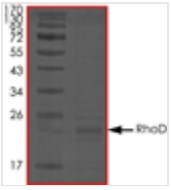
PRODUCT SYNONYMS

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

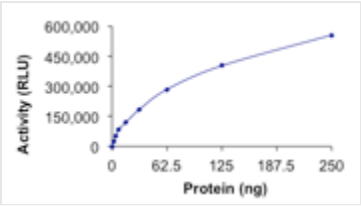
PRODUCT SPECIFICATIONS

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	1-207
Sequence Length	1111
Applicable Applications for RhoD 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 RhoD recombinant protein	Description: Recombinant human RhoD (1-207) was expressed in E Coli cells using an N-terminal His tag. Scientific Background: RhoD is a member of the Rho gene family that interacts with protein kinases and serves as a target of activated GTPase. Rho binds GTP and plays a critical role in muscle differentiation by regulating the expression of myogenin and MEF2 genes. Furthermore, Rho is involved in endosome dynamics and reorganization of the actin cytoskeleton and plays a role in coordinating membrane transport (1). mDia and ROCK are downstream effectors of Rho mediating Rho action on the actin cytoskeleton; mDia produces actin filaments by nucleation and polymerization and ROCK activate myosin to cross-link them for induction of actomyosin bundles and contractility (2).
Product Categories/Family for RhoD recombinant protein	Enzymes; Active GTPases/ATPases

References	1. Gasman, S. et al: RhoD regulates endosome dynamics through Diaphanous-related Formin and Src tyrosine kinase. Nature Cell Biol. 5: 195-204, 2003. 2. Narumiya, S. et al: Rho signaling, ROCK and mDia1, in transformation, metastasis and invasion. Cancer Metastasis Rev. 2009 Jun;28 (1-2):65-76.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12654980
NCBI GeneID	29984
Molecular Weight	~23 kDa
NCBI Official Full Name	Homo sapiens ras homolog gene family, member D, mRNA
NCBI Official Synonym Full Names	ras homolog family member D
NCBI Official Symbol	RHOD
NCBI Official Synonym Symbols	Rho; ARHD; RHOM; RHOHP1
NCBI Protein Information	rho-related GTP-binding protein RhoD
UniProt Protein Name	Rho-related GTP-binding protein RhoD
UniProt Gene Name	**RHOD**
UniProt Synonym Gene Names	ARHD; RhoHP1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/rhod-recombinant-protein-e-coli-wb-western-blot-elisa/73119