

RND3 recombinant protein

RND3, 1-241aa, Human, His tag, E Coli

CATALOG # AAA48611	HOST E Coli	APPLICATIONS SDS-Page
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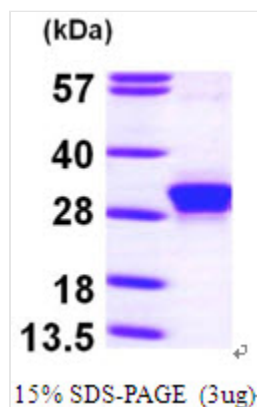
PRODUCT SYNONYMS

RND3; 1-241aa; Human; His tag; E Coli; Rho-related GTP-binding protein RhoE; ARHE; memB; Rho8; RhoE; RND3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 1mM EDTA, 0.1M NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MKERRASQKL SSKSIMDPNQ NVKCKIVVVG DSQCGKTALL HVFAKDCFPE NYVPTVFENY TASFEIDTQR IELSLWDTSG SPYYDNVRPL SYPDSDAVLI CFDISRPETL DSVLKKWKGE IQEFCPNTKM LLVGCKSDLR TDVSTLVLS NHRQTPVSYD QGANMAKQIG AATYIECSAL QSENSVRDIF HVATLACVNK TNKNVKNRKS QRATKRISHM PSRPELSAVA TDLRKDKAKS C
Sequence Length	244
Applicable Applications for RND3 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-241aa
Preparation and Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for RND3 recombinant protein	Rho-related GTP-binding protein RhoE, also known as RND3, is a small GTPase of the Ras superfamily that regulate the organization of the actin cytoskeleton in response to extracellular growth factors. RND3 activity leads to a decrease in stress fibers and increased cell migration, at least in part through regulation of the Rho-dependent kinase ROCK1. Also, RND3 has been implicated in inhibition of DNA-damage induced apoptosis and cell cycle arrest. Recombinant human RND3 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for RND3 recombinant protein	Cancer
References	Riento K., et al. (2005) Mol Cell Biol. 23:4219-29.; Boswell S A., et al. (2007) J Biol Chem. 282:4850-8;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885069
NCBI GeneID	390
NCBI Accession #	NP_005159
NCBI GenBank Nucleotide #	NM_005168.4
UniProt Accession #	P61587; P52199; D3DP95
Molecular Weight	29.2kDa (261aa) confirmed by MALDI-TOF
NCBI Official Full Name	rho-related GTP-binding protein RhoE
NCBI Official Synonym Full Names	Rho family GTPase 3
NCBI Official Symbol	RND3
NCBI Official Synonym Symbols	ARHE; Rho8; RhoE; memB
NCBI Protein Information	rho-related GTP-binding protein RhoE
UniProt Protein Name	Rho-related GTP-binding protein RhoE
UniProt Gene Name	RND3
UniProt Synonym Gene Names	ARHE; RHO8; RHOE

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.