

Recombinant Human Rho Family GTPase 3, His-tagged

Cat. No. RND3-2748H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RND3 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW =29.2kDa (261aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	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.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MKERRASQKL SSKSIMDPNQ NVKCKIVVVG DSQCGKTALL HVFAKDCFPE NYVPTVFENY TASFEIDTQR IELSLWDTSG SPYYDNVRPL SYPDSDAVLI CFDISRPETL DSVLKKWKGE IQEFCPNTKM LLVGCKSDLR TDVSTLVELS NHRQTPVSYD QGANMAKQIG AATYIECSAL QSENSVRDIF HVATLACVNK TNKNVKRNKS QRATKRISHM PSRPELSAVA TDLRKDKAKS C
Purity	> 90% by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 1mM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EDTA, 0.1M NaCl.

Concentration 0.5 mg/ml (determined by Bradford assay).

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.

GENE INFORMATION

Gene Name [RND3 Rho family GTPase 3 \[Homo sapiens \]](#)

Synonyms RND3; Rho family GTPase 3; ARHE; Rho8; RhoE; memB; rho-related GTP-binding protein RhoE; protein MemB; OTTHUMP00000162685; OTTHUMP00000204380; OTTHUMP00000204381; small GTP binding protein Rho8; ras homolog gene family, member E; rho-related GTP-binding protein Rho8

Gene ID [390](#)

mRNA Refseq [NM_005168](#)

Protein Refseq [NP_005159](#)

MIM [602924](#)

UniProt ID [P61587](#)

Chromosome Location 2q23.3

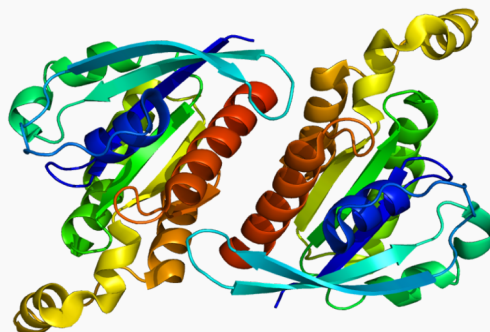
Function GTP binding; GTPase activity; nucleotide binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 1gwn.



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA