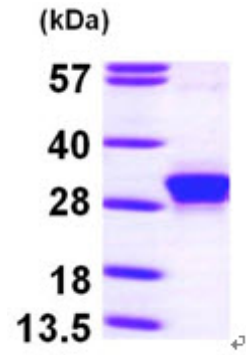


AR09589PU-N**Human RND3 / ARHE (1-241, His-tag) - Purified**

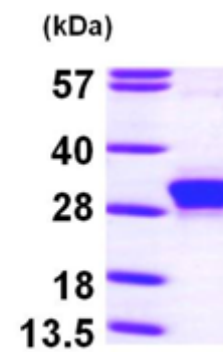
Alternate names:	MemB protein, RHO8, RHOE, Rho family GTPase 3, Rho-related GTP-binding protein RhoE
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	Rho-related GTP-binding protein RhoE, also known as RND3, is a small GTPase of the Ras superfamily that regulate the 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.
Uniprot ID:	P61587
NCBI:	NP_005159
GeneID:	390
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40% glycerol, 1 mM EDTA, 0.1 M NaCl
Description:	Recombinant human RND3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MKERRASQKL SSKSIMDPNQ NVKCKIVVVG DSQCGKTALL HVFAKDCFPE NYVPTVFENY TASFEIDTQR IELSLWDTSG SPYYDNVRPL SYPDSDAVLI CFDISRPETL DSVLKKWKGE IQEFCPNTKM LLVGCKSDLR TDVSTLVELS NHRQTPVSYD QGANMAKQIG AATYIECSAL QSENSVRDIF HVATLACVNK TNKNVKNRKS QRATKRISHM PSRPELSAVA TDLRKDKAKS C Molecular weight: 29.2 kDa (261aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Riento K., et al. (2005) Mol Cell Biol. 23:4219-29. Boswell S A., et al. (2007) J Biol Chem. 282:4850-8.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human RND3, 1- 241 aa, His-tagged



15% SDS-PAGE (3ug)