

Recombinant Human RND3, His-tagged

Cat. No. RND3-31329TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature Human RND3 with N terminal His tag; 261aa, 29.2kDa.
Species	Human
Source	E.coli
ProteinLength	241 amino acids
Description	Members of the Rho family of Ras-related GTPases, such as ARHE, regulate the organization of the actin cytoskeleton in response to extracellular growth factors. Like Ras (MIM 190020), Rho family members appear to cycle between an inactive GDP-bound form and an active GTP-bound form. Three major regulators of Rho activity have been identified: RhoGDIs, which interact with the GDP-bound Rho proteins to keep them in a resting complex (see MIM 601925); GEFs, which promote GDP/GTP exchange leading to activation of Rho proteins (see MIM 601855); and GAPs, which stimulate GTP hydrolysis and return the activated Rho protein to its inactive form (see MIM 602680) (Nobes et al.
Conjugation	HIS
Molecular Weight	29.200kDa inclusive of tags
Form	Liquid

 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

Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 40% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM EDTA, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMKERRASQKLSSKSIMDPNQNVKCKIVVVGDSQCG KTALLHVFAKDCFPENYVPTVFENY TASFEIDTQRIELSLWDTSGSPYYDNVRPLSYP DSDAVLICFDISR PETLDSVLKKWKGEIQEFCPNTKMLLVGCKSDLRTDVSTLVELSN HRQTPVSYDQGANMAKQIGAATYIECSALQSENSVRDIFHVATLACVNKTNKNVKRN KSQRATKRISHMP SRPELSAVATDLRKDKAKSC

GENE INFORMATION

Gene Name	RND3 Rho family GTPase 3 [Homo sapiens]
Official Symbol	RND3
Synonyms	RND3; Rho family GTPase 3; ARHE, ras homolog gene family, member E; rho-related GTP-binding protein RhoE; Rho8; RhoE;
Gene ID	390
mRNA Refseq	NM_005168
Protein Refseq	NP_005159
MIM	602924

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Uniprot ID	P61587
Chromosome Location	2q23.3
Function	GTP binding; GTPase activity; nucleotide binding;

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