

Active Recombinant Full Length Human RND3 Protein, C-Flag-tagged

Cat. No. RND3-541HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RND3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a protein which is a member of the small GTPase protein superfamily. The encoded protein binds only GTP but has no GTPase activity, and appears to act as a negative regulator of cytoskeletal organization leading to loss of adhesion. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Ex vivo tissue treatment
Molecular Mass	27.2 kDa
AA Sequence	MKERRASQKLSSKSIMDPNQNVKCKIVVVGDSQCGKTALLHVFAKDCFPENYVPTV FENYASFEIDTQR IELSLWDTSGSPYYDNVRPLSYDSDAVLICFDISRPETLDSVL KKWKGEIQEFCPNTKMLLVGCKSDLR TDVSTLVELSNHRQTPVSYDQGANKMAKQI GAATYIECSALQSENSVRDIFHVATLACVNKTNKNVKNKS QRATKRISHMPSPRPELSAVATDLRKDKAKSCTVMTRTRPLEQKLISEEDLAANDILDY

 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

	KDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

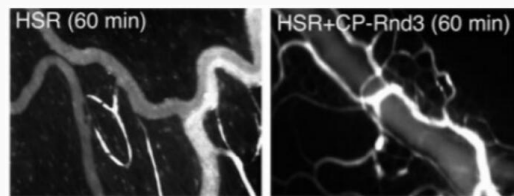
GENE INFORMATION

Gene Name	RND3 Rho family GTPase 3 [Homo sapiens (human)]
Official Symbol	RND3
Synonyms	ARHE; Rho8; RhoE; memB
Gene ID	390
mRNA Refseq	NM_005168.5
Protein Refseq	NP_005159.1
MIM	602924

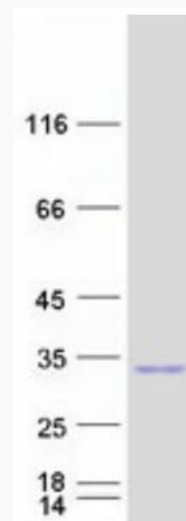
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UniProt ID
P61587


Rnd3 protein delivery ameliorates hemorrhagic shock and resuscitation (HSR)-induced microvascular hyperpermeability. Extravasation of intravenously infused FITC-albumin from the mesenteric microcirculation was assessed by intravital microscopy after rats underwent HSR. The intensity in extravascular spaces adjacent to postcapillary venules increased over time; this increase was prevented with the infusion of Rnd3.



Coomassie blue staining of purified RND3 protein.

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