

Product datasheet for **TP304479M**

RND3 (NM_005168) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Rho family GTPase 3 (RND3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204479 protein sequence Red =Cloning site Green =Tags(s)

MKERRASQKLSSKSIDPNQNVKCKIVVVGDSQCGKTALLHVFAKDCFPENYVPTVFENYASFEIDTQR
IELSLWDTSGSPYYDNVRPLSYPDSDAVLICFDISRPELDSVLKKWKGEIQEFCPNTKMLLVGCKSDLR
TDVSTLVELSNHRQTPVSYDQGANMAKQIGAATYIECSALQSENSVRDIFHVATLACVNKTNKNVKNRKS
QRATKRISHMPSRPELSAVATDLRKDKAKSCTVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	27.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Ex vivo tissue treatment (PMID: 27048969)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005159
Locus ID:	390



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UniProt ID: [P61587](#)

RefSeq Size: 2712

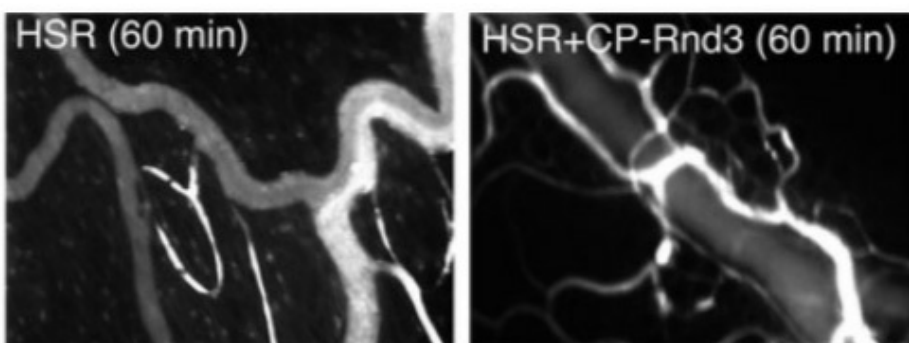
Cytogenetics: 2q23.3

RefSeq ORF: 732

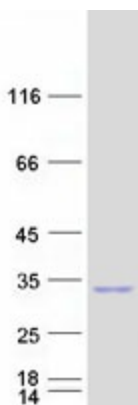
Synonyms: ARHE; memB; Rho8; RhoE

Summary: 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. [provided by RefSeq, Dec 2011]

Product images:



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 (OriGene [TP304479]). Figure cited from J Am Heart Assoc, PMID: 27048969



Coomassie blue staining of purified RND3 protein (Cat# [TP304479]). The protein was produced from HEK293T cells transfected with RND3 cDNA clone (Cat# [RC204479]) using MegaTran 2.0 (Cat# [TT210002]).