

Product datasheet for **TP304479**

RND3 (NM_005168) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human Rho family GTPase 3 (RND3), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC204479 protein sequence
Red=Cloning site **Green**=Tags(s)

MKERRASQKLSSKSIMDPNQNVKCKIVVVGDSQCGKTALLHVFAKDCFPENYVPTVFENYASFEIDTQR
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

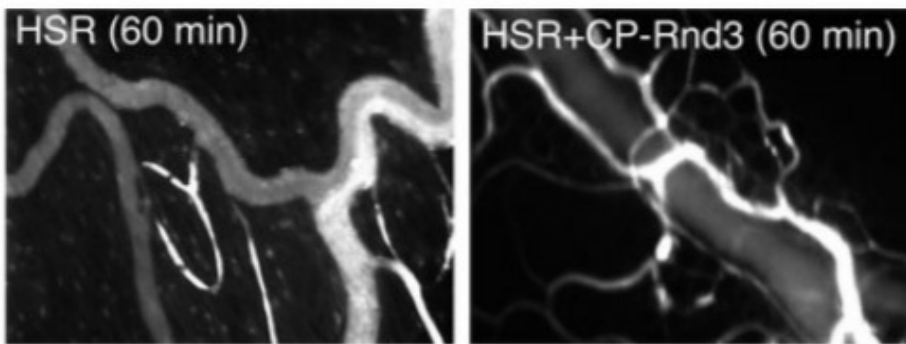
Cytogenetics: 2q23.3

RefSeq ORF: 732

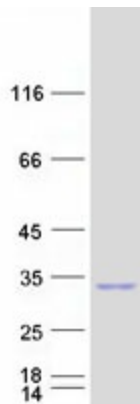
Synonyms: ARHE; memB; Rho8; RhoE

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]).