

## Product datasheet for **TP304479L**

### **RND3 (NM\_005168) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human Rho family GTPase 3 (RND3), 1 mg

**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](https://pubmed.ncbi.nlm.nih.gov/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](https://www.ncbi.nlm.nih.gov/RefSeq/record/NP_005159)

**Locus ID:** 390



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UniProt ID: [P61587](#)

RefSeq Size: 2712

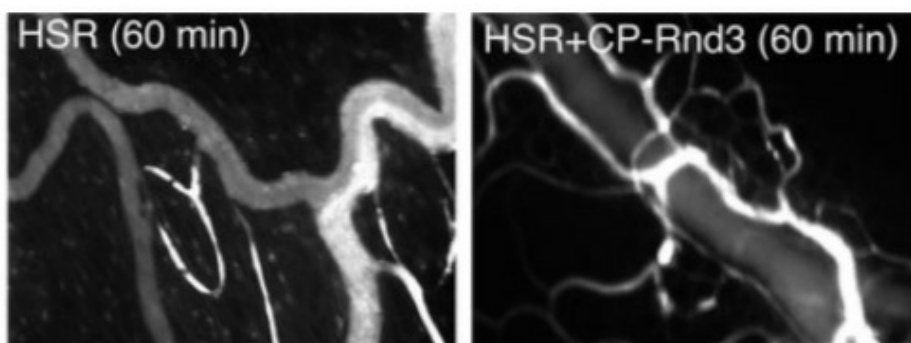
Cytogenetics: 2q23.3

RefSeq ORF: 732

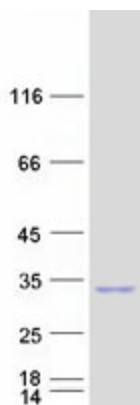
Synonyms: ARHE; memB; Rho8; RhoE

**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]).