9051 Mira Mesa Blvd, #910094
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# RND3 Human

*Rho Family GTPase 3 Human Recombinant*
*RCP1879*

## Product Overview

| | |
|---|---|
| Name | RND3 Human |

**Description**

Rho Family GTPase 3 Human Recombinant

| | |
|---|---|
| Accession (Primary) | P61587 |

**Synonyms**

ARHE, memB, Rho8, RhoE, Rho-related GTP-binding protein RhoE, Protein MemB, Rho family GTPase 3, Rho-related GTP-binding protein Rho8, Rnd3.

**Introduction**

RND3 is a small GTPase which is part of the Ras superfamily that controls the association of the actin cytoskeleton in reaction to extracellular growth factors. RND3 activity causes a decrease in stress fibers and an increase in cell migration, at least in part through regulation of the Rho-dependent kinase ROCK1. RND3 inhibits DNA-damage induced apoptosis and cell cycle arrest. RND3 binds GTP and is resistant to Rho-specific GTPase-activating proteins.

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile filtered colorless solution.

**Formulation**

RND3 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 0.1M NaCl & 40% glycerol.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Purity**

Greater than 90.0% as determined by SDS-PAGE.

**Amino acid sequence**

MGSSHHHHHH SSGLVPRGSH MKERRASQKL SSKSIMDPNQ NVKCKIVVVG DSQCGKTALL HVFAKDCFPE NYVPTVFENY TASFEIDTQR IELSLWDTSG SPYYDNVRPL SYPDSDAVLI CFDISRPETL DSVLKKWKGE IQEFCPNTKM LLVGCKSDLR TDVSTLVELS NHRQTPVSYD QGANMAKQIG AATYIECSAL QSENSVRDIF HVATLACVNK TNKNVKRNKS QRATKRISHM PSRPELSAVA TDLRKDKAKS C.

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**Precautions**

RND3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P61587 )