
Product Data Sheet

Product Name: RND3 Human
 Cat. No.: GP24399
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ARHE; memB; Rho8; RhoE; Rho-related GTP-binding protein RhoE; Protein MemB; Rho family GTPase 3; Rho-related GTP-binding protein Rho8; Rnd3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKERRASQKL SSKSIMDPNQ NVKCKIVVVG DSQCGKTALL HVFAKDCFPE NYVPTVFENY TASFEIDTQR IELSLWDTSG SPYYDNVRPL SYPDSDAVLI CFDISRPETL DSVLKKWKGE IQEFCPNTKM LLVGCKSDLR TDVSTLVELS NHRQTPVSYD QGANMAKQIG AATYIECSAL QSENSVRDIF HVATLACVNK TNKNVKNKS QRATKRISHM PSRPELSAVA TDLRKDKAKS C.		
Formulation	RND3 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 0.1M NaCl & 40% glycerol.		

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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RND3 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 261 amino acids (1-241 a.a.) and having a molecular mass of 29.2 kDa. The RND3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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