
Product Data Sheet

Product Name: RND1 Human
 Cat. No.: GP24398
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Rho family GTPase 1; GTP-binding protein; ras homolog gene family; member S; ARHS; RHOS; rho-related GTP-binding protein Rho6; RHO6; Rnd1; FLJ42294.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKERRAPQPV VARCKLVLVG DVQCGKTAML QVLAKDCYPE TYVPTVFENY TACLETEEQR VELSLWDTSG SPYYDNVRPL CYSDSDAVLL CFDIRPETV DSALKKWRTE ILDYCPSTRV LIGCKTDLR TDLSTLMELS HQKQAPISYE QGCAIAKQLG AEIYLEGSAF TSEKSIHSIF RTASMLCLNK PSPLPQKSPV		
Formulation	The RND1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 30% glycerol.		

Introduction

RND1 is a Rho-related GTPases that form a separate branch of the Rho family, since they are different in charge, size, and biochemical properties. RND1 is found in the activated GTP-bound form and performs as a negative regulator of actin assembly and of cell adhesion. RND1 assists in regulation of the organization of the actin cytoskeleton as a reaction to extracellular growth factors.

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

RND1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 220 amino acids (1-200) and having a molecular mass of 24.5 kDa. The

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

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RND1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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