

Recombinant Human RND1, His-tagged

Cat. No. RND1-31330TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human RND1 (amino acids 1-200) with an N terminal His tag; 220aa, 24.5kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	200 amino acids
Description	Members of the Rho GTPase family, such as RND1, regulate the organization of the actin cytoskeleton in response to extracellular growth factors (Nobes et al.
Conjugation	HIS
Molecular Weight	24.500kDa
Tissue specificity	Mostly expressed in brain and liver.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 30% Glycerol, 0.58% Sodium chloride, 0.02% DTT

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSHSPYYDNVRPL CYSDSDAVLL CFDISRPETV DSALKKWRTE ILDYCPSTRV LLIGCKTDLR TDLSTLMELS HQKQAPISYE QGCAIAKQLG MKERRAPQPV VARCKLVLVG DVQCGKTAML QVLAKDCYPE TYVPTVFENY TACLETEEQR VELSLWDTSGAEIYLEGSAF TSEKSIHSIF RTASMLCLNK PSPLPQKSPV
Sequence Similarities	Belongs to the small GTPase superfamily. Rho family.
GENE INFORMATION	
Gene Name	RND1 Rho family GTPase 1 [Homo sapiens]
Official Symbol	RND1
Synonyms	RND1; Rho family GTPase 1; rho-related GTP-binding protein Rho6; ARHS; ras homolog gene family; member S; Rho6; RHOS;
Gene ID	27289
mRNA Refseq	NM_014470
Protein Refseq	NP_055285
MIM	609038
Uniprot ID	Q92730

Chromosome Location	12q12
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; SEMA3A-Plexin repulsion signaling by inhibiting Integrin adhesion, organism-specific biosystem;
Function	GTP binding; GTPase activity; nucleotide binding; protein binding; receptor binding;

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