

## Recombinant Human RND1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human RND1 (amino acids 1-200) with an N terminal His tag; 220aa, 24.5kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	200 amino acids
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	24.500kDa
<b>Tissue specificity</b>	Mostly expressed in brain and liver.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.32% Tris HCl, 30% Glycerol, 0.58% Sodium chloride, 0.02% DTT

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

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<b>Chromosome Location</b>	12q12
<b>Pathway</b>	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;
<b>Function</b>	GTP binding; GTPase activity; nucleotide binding; protein binding; receptor binding;

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