RND2 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	RND2, Lysate
Full Product Name	Human RND2 Protein Lysate
Product Gene Name	RND2 lysate
Product Synonym Names	RND2; ARHN; RHO7; RhoN
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	25kDa
OMIM	601555
3D Structure	ModBase 3D Structure for P52198
Related Product Information for RND2 lysate	Human RND2 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of RND2 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RND2 purchase	MBS8418659 is a lysate targeting RND2. Also known as Human RND2 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RND2. It may not necessarily be applicable to this product.

NCBI GI #	4885581
NCBI GeneID	8153
NCBI Accession #	NP_005431
UniProt Primary Accession #	P52198
UniProt Related Accession #	P52198
GenBank Nucleotide #	NM_005440
NCBI Official Full Name	rho-related GTP-binding protein RhoN
NCBI Official Synonym Full Names	Rho family GTPase 2
NCBI Official Symbol	RND2
NCBI Official Synonym Symbols	ARHN; RHO7; RhoN
UniProt Protein Name	Rho-related GTP-binding protein RhoN
UniProt Synonym Protein Names	Rho family GTPase 2; Rho-related GTP-binding protein Rho7; Rnd2
Protein Family	Rho-related GTP-binding protein

UniProt Gene Name	RND2
UniProt Synonym Gene Names	ARHN; RHO7
UniProt Entry Name	RND2_HUMAN
NCBI Protein Information	rho-related GTP-binding protein RhoN
NCBI Summary for RND2	This gene encodes a member of the Rho GTPase family, whose members play a key role in the regulation of actin cytoskeleton organization in response to extracellular growth factors. This particular family member has been implicated in the regulation of neuronal morphology and endosomal trafficking. The gene localizes to chromosome 17 and is the centromeric neighbor of the breast-ovarian cancer susceptibility gene BRCA1. [provided by RefSeq, Jul 2008]
UniProt Comments for RND2	RND2: May be specifically involved in neuronal and hepatic functions. Is a C3 toxin-insensitive member of the Rho subfamily. Belongs to the small GTPase superfamily. Rho family. Protein type: G protein, monomeric; G protein; G protein, monomeric, Rho Chromosomal Location of Human Ortholog: 17q21 Cellular Component: early endosome; acrosomal membrane Molecular Function: GTPase activity; protein binding; GTP binding; protein N-terminus binding Biological Process: metabolic process; small GTPase mediated signal transduction; signal transduction; positive regulation of collateral sprouting
Research Articles on RND2	**1.** Rho7 expression was increased in the neurons of patients with IE compared with control samples, which indicated that Rho7 may be associated with the progression of IE or act as a potential target for IE treatment.
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