RND3 cDNA Clone – Gtpase 3 (Human)

PRODUCT OVERVIEW

Product Name	RND3, cDNA Clone
Full Product Name	RND3 cDNA Clone
Product Gene Name	RND3 cdna clone
Sequence	atgaaggaga gaagagccag ccagaaatta tccagcaaat ctatcatgga tcctaatcag aacgtgaaat gcaagatagt tgtggtggga gacagtcagt gtggaaaaac tgcgctgctc catgtcttcg ccaaggactg cttccccgag aattacgttc ctacagtgtt tgagaattac acggccagtt ttgaaatcga cacacaaaga atagagttga gcctgtggga cacttcgggt tctccttact atgacaatgt ccgccccctc tcttaccctg attcggatgc tgtgctgatt tgctttgaca tcagtagacc agagaccctg gacagtgtcc tcaaaaagtg gaaaggtgaa atccaggaat tttgtccaaa taccaaaatg ctcttggtcg gctgcaagtc tgatctgcgg acagatgtta gtacattagt agagctctcc aatcacaggc agacgccagt gtcctatgac caggggggcaa atatggccaa acagattgga gcagctactt atatcgaatg ctcagcttta cagtcggaaa atagcgtcag agacattttt cacgttgcca ccttggcatg tgtaaataag acaaataaaa acgttaagcg gaacaaatca cagagagcca caaagcggat ttcacacatg cctagcagac cagaactctc ggcagttgct acggacttac gaaaggacaa agcgaagagc tgcactgtga tgtga
Molecular Weight	27,368 Da
OMIM	602924
Vector	pENTR223.1
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RND3 cdna clone	MBS1268516 is a cDNA clone targeting RND3.
Other Notes	Small volumes of RND3 cdna clone 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RND3. It may not necessarily be applicable to this product.

NCBI GI #	15214762
NCBI GeneID	390
NCBI Accession #	BC012513
UniProt Secondary Accession #	P52199; D3DP95
UniProt Related Accession #	P61587
NCBI Official Full Name	Homo sapiens Rho family GTPase 3, mRNA
NCBI Official Synonym Full Names	Rho family GTPase 3
NCBI Official Symbol	RND3
NCBI Official Synonym Symbols	ARHE; Rho8; RhoE; memB
UniProt Protein Name	Rho-related GTP-binding protein RhoE
UniProt Synonym Protein Names	Protein MemB; Rho family GTPase 3; Rho-related GTP-binding protein Rho8; Rnd3
Protein Family	Rho-related GTP-binding protein

UniProt Gene Name	RND3
UniProt Synonym Gene Names	ARHE; RHO8; RHOE
UniProt Entry Name	RND3_HUMAN
NCBI Protein Information	rho-related GTP-binding protein RhoE
NCBI Summary for RND3	This gene encodes a protein which is a member of the small GTPase protein superfamily. The encoded protein binds only GTP but has no GTPase activity, and appears to act as a negative regulator of cytoskeletal organization leading to loss of adhesion. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Dec 2011]
UniProt Comments for RND3	RhoE: Binds GTP but lacks intrinsic GTPase activity and is resistant to Rho-specific GTPase-activating proteins. Binds ROCK1. Interacts with UBXD5. Ubiquitous. Belongs to the small GTPase superfamily. Rho family. Protein type: Motility/polarity/chemotaxis; G protein, monomeric; G protein, monomeric, Rho; G protein Chromosomal Location of Human Ortholog: 2q23.3 Cellular Component: focal adhesion Molecular Function: GTPase activity; protein binding Biological Process: actin cytoskeleton organization and biogenesis; cell adhesion
Research Articles on RND3	**1.** We conclude that downregulation of RND3 is responsible for the enhancement of Notch activity that promotes glioblastoma genesis.
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