Rho-Related GTP-Binding Protein Rhoe (RND3) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Rho-related GTP-binding protein RhoE (Rnd3), Recombinant Protein
Full Product Name	Recombinant Rat Rho-related GTP-binding protein RhoE (Rnd3)
Product Gene Name	Rnd3 recombinant protein
Product Synonym Gene Name	Rnd3
Sequence	MKERRASQKL SSKSIMDPNQ NVKCKIVVVG DSQCGKTALL HVFAKDCFPE NYVPTVFENY TASFEIDTQR IELSLWDTSG SPYYDNVRPL SYPDSDAVLI CFDISRPETL DSVLKKWKGE IQEFCPNTKM LLVGCKSDLR TDVSTLVELS NHRQTPVSYD QGANMAKQIG AATYIECSAL QSENSVRDIF HVATLACVNK TNKNVKRNKS QRATKRISHM PSRPELSAVA TDLRKDKAKS C
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	27,368 Da
Sequence Positions	1-241, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6SA80
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Rnd3 recombinant protein	MBS1412029 is a recombinant protein targeting Rnd3. Also known as Recombinant Rat Rho-related GTP-binding protein RhoE (Rnd3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Rnd3 recombinant protein 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 #	56090636
NCBI GeneID	295588
NCBI Accession #	NP_001007642.1
UniProt Primary Accession #	Q6SA80
UniProt Related Accession #	Q6SA80

GenBank Nucleotide #	NM_001007641.1
NCBI Official Full Name	rho-related GTP-binding protein RhoE
NCBI Official Synonym Full Names	Rho family GTPase 3
NCBI Official Symbol	Rnd3
NCBI Official Synonym Symbols	Arhe; RHOE
UniProt Protein Name	Rho-related GTP-binding protein RhoE
UniProt Synonym Protein Names	Rho family GTPase 3; Rnd3
Protein Family	Rho-related GTP-binding protein
UniProt Gene Name	Rnd3
UniProt Synonym Gene Names	Arhe; Rhoe
NCBI Protein Information	rho-related GTP-binding protein RhoE
UniProt Comments for Rnd3	Binds GTP but lacks intrinsic GTPase activity and is resistant to Rho-specific GTPase-activating proteins.
Research Articles on Rnd3	**1.** BDNF can regulate formation of functional synapses by increasing the expression of the RhoA inhibitors, Par6C and Rnd3.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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