Ran Gtpase-Activating Protein 1 (RNA1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ran GTPase-activating protein 1 (RNA1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Ran GTPase-activating protein 1 (RNA1)
Product Gene Name	RNA1 recombinant protein
Sequence	MATLHFVPQH EEEQVYSISG KALKLTTSDD IKPYLEELAA LKTCTKLDLS GNTIGTEASE ALAKCIAENT QVRESLVEVN FADLYTSRLV DEVVDSLKFL LPVLLKCPHL EIVNLSDNAF GLRTIELLED YIAHAVNIKH LILSNNGMGP FAGERIGKAL FHLAQNKKAA SKPFLETFIC GRNRLENGSA VYLALGLKSH SEGLKVVKLY QNGIRPKGVA TLIHYGLQYL KNLEILDLQD NTFTKHASLI LAKALPTWKD SLFELNLNDC LLKTAGSDEV FKVFTEVKFP NLHVLKFEYN EMAQETIEVS FLPAMEKGNL PELEKLEING NRLDEDSDAL DLLQSKFDDL EVDDFEEVDS EDEEGEDEED EDEDEKLEEI ETERLEKELL EVQVDDLAER LAETEIK
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	45,816 Da
Sequence Positions	1-407, 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 P11745
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RNA1 recombinant protein	MBS1093034 is a recombinant protein targeting RNA1. Also known as Recombinant Saccharomyces cerevisiae Ran GTPase-activating protein 1 (RNA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RNA1 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 RNA1. It may not necessarily be applicable to this product.

NCBI GI #	6323891
NCBI GeneID	855275
NCBI Accession #	NP_013962.1
UniProt Primary Accession #	P11745
UniProt Secondary Accession #	D6W061

UniProt Related Accession #	P11745
GenBank Nucleotide #	NM_001182742.1
NCBI Official Full Name	GTPase-activating protein RNA1
NCBI Official Symbol	RNA1
UniProt Protein Name	Ran GTPase-activating protein 1
UniProt Synonym Protein Names	Protein involved in RNA production/processing
UniProt Gene Name	RNA1
NCBI Protein Information	GTPase-activating protein RNA1
UniProt Comments for RNA1	GTPase activator for the nuclear Ras-related regulatory protein GSP1 (Ran), converting it to the putatively inactive GDP-bound state.Miscellaneous: Present with 52200 molecules/cell in log phase SD medium.
Research Articles on RNA1	**1.** Cex1p recruits Rna1p from the cytoplasm to the nuclear pore complex and facilitates Rna1p activation of the GTPase activity of Gsp1p by enabling Rna1p to gain access to Gsp1p-GTP bound to the Los1p-tRNA-Gsp1p-GTP export complex.
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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