Ras-Related GTP-Binding Protein A (RRAGA) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ras-related GTP-binding protein A (Rraga), Recombinant Protein
Full Product Name	Recombinant Rat Ras-related GTP-binding protein A (Rraga)
Product Gene Name	Rraga recombinant protein
Product Synonym Gene Name	Rraga
Sequence	MPNTAMKKKV LLMGKSGSGK TSMRSIIFAN YIARDTRRLG ATIDVEHSHV RFLGNLVLNL WDCGGQDTFM ENYFTSQRDN IFRNVEVLIY VFDVESRELE KDMHYYQSCL EAILQNSPDA KIFCLVHKMD LVQEDQRDLI FKEREEDLRR LSRPLECACF RTSIWDETLY KAWSSIVYQL IPNVQQLEMN LRNFAQIIEA DEVLLFERAT FLVISHYQCK EQRDVHRFEK ISNIIKQFKL SCSKLAASFQ SMEVRNSNFA AFIDIFTSNT YVMVVMSDPS IPSAATLINI RNARKHFEKL ERVDGPKHSL LMR
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	36,566 Da
Sequence Positions	1-313, 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 Q63486
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Rraga recombinant protein	MBS1350849 is a recombinant protein targeting Rraga. Also known as Recombinant Rat Ras-related GTP-binding protein A (Rraga). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Rraga 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 Rraga. It may not necessarily be applicable to this product.

NCBI GI #	16758868
NCBI GeneID	117044
NCBI Accession #	NP_446425.1
UniProt Primary Accession #	Q63486
UniProt Related Accession #	Q63486

GenBank Nucleotide #	NM_053973.2
NCBI Official Full Name	ras-related GTP-binding protein A
NCBI Official Synonym Full Names	Ras-related GTP binding A
NCBI Official Symbol	Rraga
NCBI Official Synonym Symbols	Raga
UniProt Protein Name	Ras-related GTP-binding protein A
UniProt Gene Name	Rraga
UniProt Synonym Gene Names	RagA
NCBI Protein Information	ras-related GTP-binding protein A
NCBI Summary for Rraga	binds GTP; member of the subfamily of Ras-homologous GTP binding proteins [RGD, Feb 2006]
UniProt Comments for Rraga	Guanine nucleotide-binding protein that plays a crucial role in the cellular response to amino acid availability through regulation of the mTORC1 signaling cascade. Forms heterodimeric Rag complexes with RRAGC or RRAGD and cycles between an inactive GDP-bound and an active GTP-bound form. In its active form participates in the relocalization of mTORC1 to the lysosomes and its subsequent activation by the GTPase RHEB. Involved in the RCC1/Ran-GTPase pathway. May play a direct role in a TNF-alpha signaling pathway leading to induction of cell death.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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