Grpe Protein Homolog 1, Mitochondrial (GRPEL1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	GrpE protein homolog 1, mitochondrial (Grpel1), Recombinant Protein
Full Product Name	Recombinant Mouse GrpE protein homolog 1, mitochondrial (Grpel1)
Product Gene Name	Grpel1 recombinant protein
Product Synonym Gene Name	Grpel1
Sequence	CTATKQKNNG QNLDEDLGHC EPKTDPPSAD KTLLEEKAKL EEQLRETMEK YKRALADTEN LRQRSQKLVE EAKLYGIQGF CKDLLEVADI LEKATQSVPK EEISNNNPHL KSLYEGLVMT EVQIQKVFTK HGLLRLDPIG AKFDPYEHEA LFHTPVEGKE PGTVALVSKV GYKLHGRTLR PALVGVVKDA
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	24,307 Da
Sequence Positions	28-217, 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 Q99LP6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Grpel1 recombinant protein	MBS1333293 is a recombinant protein targeting Grpel1. Also known as Recombinant Mouse GrpE protein homolog 1, mitochondrial (Grpel1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Grpel1 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 Grpel1. It may not necessarily be applicable to this product.

NCBI GI #	13277394
NCBI GeneID	17713
NCBI Accession #	NP_077798.1
UniProt Primary Accession #	Q99LP6
UniProt Secondary Accession #	Q3TSZ3
UniProt Related Accession #	Q99LP6

GenBank Nucleotide #	NM_024478.2
NCBI Official Full Name	grpE protein homolog 1, mitochondrial
NCBI Official Synonym Full Names	GrpE-like 1, mitochondrial
NCBI Official Symbol	Grpel1
NCBI Official Synonym Symbols	AA408748; mt-GrpE#1; mt-Grpel1
UniProt Protein Name	GrpE protein homolog 1, mitochondrial
UniProt Synonym Protein Names	Mt-GrpE#1
Protein Family	GrpE protein
UniProt Gene Name	Grpel1
NCBI Protein Information	grpE protein homolog 1, mitochondrial
UniProt Comments for Grpel1	Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. Seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins ().
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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