Ribonuclease Z (rnz) Streptococcus Pyogenes Serotype M2 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribonuclease Z (rnz), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M2 Ribonuclease Z (rnz)
Product Gene Name	rnz recombinant protein
Product Synonym Gene Name	rnz
Sequence	MELQFLGTGA GQPAKQRNVS SLALKLLDEI NEVWMFDCGE GTQRQILETT IKPRKIRKIF ITHLHGDHIF GLPGFLSSRS FQASEEQTDL DIYGPIGIKT YVLTSLKVSG ARVPYQIHFH EFDDKSLGKI METDKFVVYA ERLAHTIFCM GYRVVQKDLE GTLDAEALKA AGVPFGPLFG KIKNGQDVEL EDGRLICAKD YISAPKKGKI ITIIGDTRKT SASVKLAKDA DVLVHESTYG KGDERIARNH GHSTNMQAAQ IAHEAGAKRL LLNHVSARFL GRDCRQMEKD AATIFENVKM VQDLEEVII
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	34,400 Da
Sequence Positions	1-309, 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 Q1JH87
Species	Streptococcus pyogenes serotype M2 (strain MGAS10270)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rnz recombinant protein	MBS1379562 is a recombinant protein targeting rnz. Also known as Recombinant Streptococcus pyogenes serotype M2 Ribonuclease Z (rnz). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rnz 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 rnz. It may not necessarily be applicable to this product.

NCBI GI #	497567039
NCBI Accession #	WP_009881223.1
UniProt Primary Accession #	Q1JH87
GenBank Nucleotide #	WP_009881223.1
NCBI Official Full Name	ribonuclease Z

UniProt Protein Name	Ribonuclease Z
UniProt Synonym Protein Names	tRNA 3 endonuclease
Protein Family	Putative ribonuclease
UniProt Gene Name	rnz
UniProt Synonym Gene Names	RNase Z
UniProt Comments for rnz	Zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity. Probably involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA.
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