Mini-Ribonuclease 3 (mrnC) Desulfitobacterium Hafniense Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mini-ribonuclease 3 (mrnC), Recombinant Protein
Full Product Name	Recombinant Desulfitobacterium hafniense Mini-ribonuclease 3 (mrnC)
Product Gene Name	mrnC recombinant protein
Product Synonym Gene Name	mrnC
Sequence	MPRSWQEMNA LTLAYLGDVV YELWVRTHLL NNGYEKVNEL HRLATQYVRA GTQAKLLHHI LPHLDEQELS VVHRGRNAKG GHPKSTDVVT YRYATGFEAL VGYWQLTGRT ERMLWAFEQV DQFVGEEDEG KGKGETAKEE ESITDALSPA EQSEIDC
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	17,902 Da
Sequence Positions	1-157, 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 Q250Q5
Species	Desulfitobacterium hafniense (strain Y51)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mrnC recombinant protein	MBS1337988 is a recombinant protein targeting mrnC. Also known as Recombinant Desulfitobacterium hafniense Mini-ribonuclease 3 (mrnC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mrnC 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 mrnC. It may not necessarily be applicable to this product.

NCBI GI #	499778351
NCBI Accession #	WP_011459085.1
UniProt Primary Accession #	Q250Q5
GenBank Nucleotide #	WP_011459085.1
NCBI Official Full Name	Mini-ribonuclease 3
UniProt Protein Name	Mini-ribonuclease 3

UniProt Synonym Protein Names	Mini-RNase III
Protein Family	Mini-ribonuclease
UniProt Gene Name	mrnC
UniProt Synonym Gene Names	Mini-3; Mini-RNase 3; Mini-III
UniProt Comments for mrnC	Involved in correct processing of both the 5' and 3' ends of 23S rRNA precursor. Processes 30S rRNA precursor transcript even in absence of ribonuclease 3 (Rnc); Rnc processes 30S rRNA into smaller rRNA precursors.
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