Ribonuclease 3 (rnc) Thermoanaerobacter Tengcongensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribonuclease 3 (rnc), Recombinant Protein
Full Product Name	Recombinant Thermoanaerobacter tengcongensis Ribonuclease 3 (rnc)
Product Gene Name	rnc recombinant protein
Product Synonym Gene Name	rnc; TTE1469
Product Synonym Names	Ribonuclease 3; EC=3.1.26.3; Ribonuclease III; RNase III
Sequence	MLTYLEQKIN YEFKDKTLLL EALTHSSWAH EGKNEKVSNE RLEFLGDSVL SLVISEYLYK NRKDLEEGSL SKYRAEIVCE PSLARCARKI ELGSFLRMGK GEEISGGRDR DSILADAMEA LLAAVYLDGG LEAVRRVILD LFKEIIDEVL KGIIYRDYKT RLQEVVQSME VGKITYELVE EIGPDHNKTF VTQVKIGDVV LGIGQGKSKK ESEQAAAMEA LSKLGILK
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	25,635 Da
Sequence Positions	1-228aa; 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 Q8R9W3
Species	Thermoanaerobacter tengcongensis (strain DSM 15242 / JCM 11007 / NBRC 100824 / MB4) (Caldanaerobacter subterraneus subsp. tengcongensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rnc recombinant protein	MBS1419340 is a recombinant protein targeting rnc. Also known as Recombinant Thermoanaerobacter tengcongensis Ribonuclease 3 (rnc). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rnc 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 rnc. It may not necessarily be applicable to this product.

NCBI GI #	20807916
NCBI GeneID	997900
NCBI Accession #	NP_623087.1
UniProt Primary Accession #	Q8R9W3

UniProt Related Accession #	Q8R9W3
GenBank Nucleotide #	NC_003869.1
NCBI Official Full Name	ribonuclease III
NCBI Official Symbol	rnc
UniProt Protein Name	Ribonuclease 3
UniProt Synonym Protein Names	Ribonuclease III
UniProt Gene Name	rnc
UniProt Synonym Gene Names	RNase III
UniProt Entry Name	RNC_THETN
NCBI Protein Information	ribonuclease III
UniProt Comments for rnc	Digests double-stranded RNA. Involved in the processing of primary rRNA transcript to yield the immediate precursors to the large and small rRNAs (23S and 16S). Processes some mRNAs, and tRNAs when they are encoded in the rRNA operon. Processes pre-crRNA and tracrRNA of type II CRISPR loci if present in the organism.
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