Ribonuclease T (rnt) Shewanella Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribonuclease T (rnt), Recombinant Protein
Full Product Name	Recombinant Shewanella denitrificans Ribonuclease T (rnt)
Product Gene Name	rnt recombinant protein
Product Synonym Gene Name	rnt
Sequence	MPDICDSNKL NHRFRGYYPV VIDVETAGFN ANTDALLEIA VTLLKMNDDG ILVLDKTVHF HIEPFEGANL EPEALAFNGI DPTNPLRGAV SEKEAFLEIF KTVKKGQKAS DCHRSIIVAH NAAFDLSFVN KAIERNDLKR SPFHPFASFD TATLAGLSIG HTVLAKACKM AGIDFDNKEA HSALYDTERT AELFCHIVNR WKALGGWPLA TPEQSAIENT DEKIES
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	24,969 Da
Sequence Positions	1-226, 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 Q12PE3
Species	Shewanella denitrificans (strain OS217 / BAA-1090 / DSM 15013)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rnt recombinant protein	MBS1482152 is a recombinant protein targeting rnt. Also known as Recombinant Shewanella denitrificans Ribonuclease T (rnt). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rnt 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 rnt. It may not necessarily be applicable to this product.

NCBI GI #	499815107
NCBI Accession #	WP_011495841.1
UniProt Primary Accession #	Q12PE3
GenBank Nucleotide #	WP_011495841.1
NCBI Official Full Name	ribonuclease T

UniProt Protein Name	Ribonuclease T
UniProt Synonym Protein Names	Exoribonuclease T
Protein Family	Ribonuclease
UniProt Gene Name	rnt
UniProt Synonym Gene Names	RNase T
UniProt Comments for rnt	Trims short 3' overhangs of a variety of RNA species, leaving a one or two nucleotide 3' overhang. Responsible for the end-turnover of tRNA: specifically removes the terminal AMP residue from uncharged tRNA (tRNA-C-C-A). Also appears to be involved in tRNA biosynthesis.
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