# Ribonuclease Z (rnz) Chlamydophila Caviae Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ribonuclease Z (rnz), Recombinant Protein |
| **Full Product Name** | Recombinant Chlamydophila caviae Ribonuclease Z (rnz) |
| **Product Gene Name** | rnz recombinant protein |
| **Product Synonym Gene Name** | rnz |
| **Sequence** | MSCRELIILG CSSQQPTRMR NQGAYLFRWN NEGLLFDPGE GTQRQFIFAN IAPTVVSRIF ISHFHGDHCL GLGSMLMRLN LDKVTHPIHC YYPASGKKYF DRLRYGTIYH ETIHVVEHPV DKEGIVEDFG NFRIEARKLD HLVDTLGWRI TEPDTIKFIP EKIKAAGLRG PIMQDLLRDD HVTVNGNTIY LKDVSYVRKG DSIAVIADTL PCQSVVDLAK DARIMLCEST YLEEHLHLAK SHYHMTAKQA ATQALAAGAQ QLVLTHFSAR YLNSKEFELE AGKIFPNVAA AEEFRSYPFP KNPSSK |
| **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** | 34,677 Da |
| **Sequence Positions** | 1-306, 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 Q823T8 |
| **Species** | Chlamydophila caviae (strain GPIC) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rnz recombinant protein** | MBS1345995 is a recombinant protein targeting rnz. Also known as Recombinant Chlamydophila caviae 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.

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| **NCBI GI #** | 499315792 |
| **NCBI Accession #** | WP_011006284.1 |
| **UniProt Primary Accession #** | Q823T8 |
| **GenBank Nucleotide #** | WP_011006284.1 |
| **NCBI Official Full Name** | ribonuclease Z |

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| **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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