# Ribosome Maturation Factor Rimm (rimM) Bacillus Cereus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ribosome maturation factor RimM (rimM), Recombinant Protein |
| **Full Product Name** | Recombinant Bacillus cereus Ribosome maturation factor RimM (rimM) |
| **Product Gene Name** | rimM recombinant protein |
| **Product Synonym Gene Name** | rimM |
| **Sequence** | MTKWFNVGKI VNTHGVKGEI RVVSLTDFPE ERYKVGNTLY ISNEKGGEPF PVKITSHRQH KTFDLLTFEG YGNVNEVEQF KGSLLKVPED QLGELAEGEY YYHEIIGCNV VTEEGEALGT IKEVLSPGAN DVWVIKRPKG QDLLIPYIDD VVLQVNIENK LVTIHVMEGL L |
| **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** | 19,259 Da |
| **Sequence Positions** | 1-171, Full length |
| **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 Q636I4 |
| **Species** | Bacillus cereus (strain ZK / E33L) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rimM recombinant protein** | MBS1422889 is a recombinant protein targeting rimM. Also known as Recombinant Bacillus cereus Ribosome maturation factor RimM (rimM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rimM 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 rimM. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446092411 |
| **NCBI Accession #** | WP_000170266.1 |
| **UniProt Primary Accession #** | Q636I4 |
| **GenBank Nucleotide #** | WP_000170266.1 |
| **NCBI Official Full Name** | ribosome maturation factor RimM |
| **UniProt Protein Name** | Ribosome maturation factor RimM |

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| **Protein Family** | Probable 16S rRNA-processing protein |
| **UniProt Gene Name** | rimM |
| **UniProt Comments for rimM** | An accessory protein needed during the final step in the assembly of 30S ribosomal subunit, possibly for assembly of the head region. Probably interacts with S19. Essential for efficient processing of 16S rRNA. May be needed both before and after RbfA during the maturation of 16S rRNA. It has affinity for free ribosomal 30S subunits but not for 70S ribosomes. |
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