# Ribosomal RNA Small Subunit Methyltransferase A (rsmA) Escherichia Coli O6 Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ribosomal RNA small subunit methyltransferase A (rsmA), Recombinant Protein |
| **Full Product Name** | Recombinant Escherichia coli O6 Ribosomal RNA small subunit methyltransferase A (rsmA) |
| **Product Gene Name** | rsmA recombinant protein |
| **Product Synonym Gene Name** | rsmA |
| **Sequence** | MNNRVHQGHL ARKRFGQNFL NDQFVIDSIV SAINPQKGQA MVEIGPGLAA LTEPVGERLD QLTVIELDRD LAARLQTHPF LGPKLTIYQQ DAMTFNFGEL AAKMGQPLRV FGNLPYNIST PLMFHLFSYT DAIADMHFML QKEVVNRLVA GPNSKAYGRL SVMAQYYCNV IPVLEVPPSA FTPPPKVDSA VVRLVPHATM PHPVKDVRVL SRITTEAFNQ RRKTIRNSLG NLFSVEVLTG MGIDPAMRAE NISVAQYCQM ANYLAENAPL QES |
| **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** | 30,362 Da |
| **Sequence Positions** | 1-273, 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 Q8FL96 |
| **Species** | Escherichia coli O6 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rsmA recombinant protein** | MBS1370302 is a recombinant protein targeting rsmA. Also known as Recombinant Escherichia coli O6 Ribosomal RNA small subunit methyltransferase A (rsmA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rsmA 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 rsmA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446988107 |
| **NCBI Accession #** | WP_001065363.1 |
| **UniProt Primary Accession #** | Q8FL96 |
| **GenBank Nucleotide #** | WP_001065363.1 |

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| **NCBI Official Full Name** | MULTISPECIES: ribosomal RNA small subunit methyltransferase A |
| **UniProt Protein Name** | Ribosomal RNA small subunit methyltransferase A |
| **UniProt Synonym Protein Names** | 16S rRNA (adenine(1518)-N(6)/adenine(1519)-N(6))-dimethyltransferase |
| **Protein Family** | Anti-sigma-M factor |
| **UniProt Gene Name** | rsmA |
| **UniProt Comments for rsmA** | Specifically dimethylates two adjacent adenosines (A1518 and A1519) in the loop of a conserved hairpin near the 3'-end of 16S rRNA in the 30S particle. May play a critical role in biogenesis of 30S subunits. |
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