# Ribosomal RNA Small Subunit Methyltransferase G (rsmG) Rhizobium Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ribosomal RNA small subunit methyltransferase G (rsmG), Recombinant Protein |
| **Full Product Name** | Recombinant Rhizobium sp. Ribosomal RNA small subunit methyltransferase G (rsmG) |
| **Product Gene Name** | rsmG recombinant protein |
| **Sequence** | MNASPAERMK ALRVSRETLD KLEHFAGLFQ KWAKSINLVA PSTLEDLWQR HFVDSLQVFR LSPFPKTWVD LGSGGGFPGV ITAICLSEHA DGWVHLVESN NKKAAFLRVA LNETGARGSV HPIRVEQAPS VIPRCEAISA RALADLTQLL DYSAPWMLAD GSNTIAFFHK GRDYQQEVDK AVSRFQFDLV KHASVVEQDS VVLEIANLSR RTKC |
| **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** | 23,827 Da |
| **Sequence Positions** | 1-214, 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 C3MB65 |
| **Species** | Rhizobium sp. (strain NGR234) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rsmG recombinant protein** | MBS1256531 is a recombinant protein targeting rsmG. Also known as Recombinant Rhizobium sp. Ribosomal RNA small subunit methyltransferase G (rsmG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rsmG 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 rsmG. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 502101600 |
| **NCBI Accession #** | WP_012709821.1 |
| **UniProt Primary Accession #** | C3MB65 |
| **GenBank Nucleotide #** | WP_012709821.1 |
| **NCBI Official Full Name** | ribosomal RNA small subunit methyltransferase G |

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| **UniProt Protein Name** | Ribosomal RNA small subunit methyltransferase G |
| **UniProt Synonym Protein Names** | 16S rRNA 7-methylguanosine methyltransferase |
| **Protein Family** | Ribosomal RNA small subunit methyltransferase |
| **UniProt Gene Name** | rsmG |
| **UniProt Synonym Gene Names** | 16S rRNA m7G methyltransferase |
| **UniProt Comments for rsmG** | Specifically methylates the N7 position of guanine in position 527 of 16S rRNA. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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