# Ribosomal RNA Large Subunit Methyltransferase G (rlmG) Pseudomonas Putida Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ribosomal RNA large subunit methyltransferase G (rlmG), Recombinant Protein |
| **Full Product Name** | Recombinant Pseudomonas putida Ribosomal RNA large subunit methyltransferase G (rlmG) |
| **Product Gene Name** | rlmG recombinant protein |
| **Sequence** | MPLLTTPYAE LDLIRQPEQA NDPLQAFDAA DEYLLAQLHD QAPDANCRVL VLNDSFGALA ASLAGQLQVV SSGDSHLGHL ALEKNLARNG LPFDSVPFVP ASEHWQGPFD RVLVRVPKTL ALLEEQLIRL QGQLAPGAQV IAGAMIKHLP RAAGDLMEKY IGPVQASLAL KKARLLTATV AERPLAKSPY PSCYRLDVPA LDLINHANVF CREGLDIGTR AFLPHLPRDL GRARVADLGC GNGVLAIASA LANPEAEYTL VDESYMAVQS AQENWLAALG ERPATFFAAD GLAGLEKQSL DVVLCNPPFH QQQVVGDFLA WRMFQQAREA LVVGGALYIV GNRHLGYHSK LARLFRGVEQ VAATPKFVIL KARK |
| **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** | 40,550 Da |
| **Sequence Positions** | 1-374, 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 A5W920 |
| **Species** | Pseudomonas putida (strain F1 / 700007) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rlmG recombinant protein** | MBS1253541 is a recombinant protein targeting rlmG. Also known as Recombinant Pseudomonas putida Ribosomal RNA large subunit methyltransferase G (rlmG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rlmG 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 rlmG. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 501000563 |
| **NCBI Accession #** | WP_012053709.1 |
| **UniProt Primary Accession #** | A5W920 |
| **GenBank Nucleotide #** | WP_012053709.1 |

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| **NCBI Official Full Name** | MULTISPECIES: ribosomal RNA large subunit methyltransferase G |
| **UniProt Protein Name** | Ribosomal RNA large subunit methyltransferase G |
| **UniProt Synonym Protein Names** | 23S rRNA m2G1835 methyltransferase |
| **Protein Family** | Ribosomal RNA large subunit methyltransferase |
| **UniProt Gene Name** | rlmG |
| **UniProt Comments for rlmG** | Specifically methylates the guanine in position 1835 (m2G1835) of 23S 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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