Ribosomal RNA Large Subunit Methyltransferase G (rlmG) Alteromonas Macleodii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribosomal RNA large subunit methyltransferase G (rlmG), Recombinant Protein
Full Product Name	Recombinant Alteromonas macleodii Ribosomal RNA large subunit methyltransferase G (rlmG)
Product Gene Name	rlmG recombinant protein
Sequence	MNTEFIFADR QLSLIRYPEK HQHVSLQAWD SADELVIEHL ESLLSENELS IGDNESTPSL MIFNDDFGAL GCWFSHLAPY WVSDSYISLR SLHENLKANS LIRASEGSCT QELKTSPVKT LTSVESASFK PACAPAVVVI KVPRALALLE QQLIDLQAYI TPETQVIATG KVKAITKSAL NLFEKYIGPT TTSLAKKKSR LIFATPRDSL KQATSPYPTR WQCKSTMGAA LIIDNLANTF ARQSLDIGAR IMLEHMTVSA NDVVVDLGCG NGVLGVNALS LAPDAKVIFV DESYMALESA RLNVLNNFPD KIEQCEFVAS NCLETLLNRE NKPAVTKILC NPPFHQQNAI TDHIAWQMFT DSRDLLVKSG HLVVVGNRHL EYHIKLKKLF GGAKVLASDK KFVILGTAKR
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	45,313 Da
Sequence Positions	1-410, 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 B4RZB4
Species	Alteromonas macleodii (strain DSM 17117 / Deep ecotype)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rlmG recombinant protein	MBS1246350 is a recombinant protein targeting rlmG. Also known as Recombinant Alteromonas macleodii 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.

NCBI GI #	501509295
NCBI Accession #	WP_012517232.1
UniProt Primary Accession #	B4RZB4
UniProt Secondary Accession #	F2G966

GenBank Nucleotide #	WP_012517232.1
NCBI Official Full Name	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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