# 50s Ribosomal Protein L22 (rplV) Prochlorococcus Marinus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 50S ribosomal protein L22 (rplV), Recombinant Protein |
| **Full Product Name** | Recombinant Prochlorococcus marinus 50S ribosomal protein L22 (rplV) |
| **Product Gene Name** | rplV recombinant protein |
| **Product Synonym Gene Name** | rplV |
| **Sequence** | MTTSSTKTTA QAHGRYIRGS ASKVRRVLDQ IRGRTYRDAL IMLEFMPYRS TEPITKVLRS AVANAENNLG LDPSSLMIST ATADMGPPMK RYRPRAQGRA FAIKKQTCHI SISVSATQST NSEDSD |
| **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** | 13,896 Da |
| **Sequence Positions** | 1-126, 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 Q46IR4 |
| **Species** | Prochlorococcus marinus (strain NATL2A) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rplV recombinant protein** | MBS1323365 is a recombinant protein targeting rplV. Also known as Recombinant Prochlorococcus marinus 50S ribosomal protein L22 (rplV). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rplV 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 rplV. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499614734 |
| **NCBI Accession #** | WP_011295468.1 |
| **UniProt Primary Accession #** | Q46IR4 |
| **GenBank Nucleotide #** | WP_011295468.1 |
| **NCBI Official Full Name** | 50S ribosomal protein L22 |
| **UniProt Protein Name** | 50S ribosomal protein L22 |

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| **Protein Family** | 50S ribosomal protein |
| **UniProt Gene Name** | rplV |
| **UniProt Comments for rplV** | This protein binds specifically to 23S rRNA; its binding is stimulated by other ribosomal proteins, e.g. L4, L17, and L20. It is important during the early stages of 50S assembly. It makes multiple contacts with different domains of the 23S rRNA in the assembled 50S subunit and ribosome (). |
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