# 50s Ribosomal Protein L16 (rplP) Prochlorococcus Marinus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 50S ribosomal protein L16 (rplP), Recombinant Protein |
| **Full Product Name** | Recombinant Prochlorococcus marinus 50S ribosomal protein L16 (rplP) |
| **Product Gene Name** | rplP recombinant protein |
| **Product Synonym Gene Name** | rplP |
| **Sequence** | MLSPKRTKFR KQQRGRMRGV ATRGNKIAFG QFALQAQECG WITSRQIEAS RRAMTRYVKR GGQIWIRIFP DKPVTMRPAE TRMGSGKGNP EFWVAVVKPG RILFEMGGEE ITEEIAKEAM RLAQYKLPIK TKFLALAEGE KPTQVGKAPP KSSFLPSDET ETAAAQAGTE ASSASSVTPL ES |
| **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** | 20,131 Da |
| **Sequence Positions** | 1-182, 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 Q7V9W9 |
| **Species** | Prochlorococcus marinus (strain SARG / CCMP1375 / SS120) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rplP recombinant protein** | MBS1314949 is a recombinant protein targeting rplP. Also known as Recombinant Prochlorococcus marinus 50S ribosomal protein L16 (rplP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rplP 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 rplP. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 33241154 |
| **NCBI GeneID** | 1463087 |
| **NCBI Accession #** | NP_876096.1 |
| **UniProt Primary Accession #** | Q7V9W9 |
| **UniProt Related Accession #** | Q7V9W9 |
| **GenBank Nucleotide #** | NC_005042.1 |

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| **NCBI Official Full Name** | Ribosomal protein L16/L10E |
| **NCBI Official Symbol** | rplP |
| **UniProt Protein Name** | 50S ribosomal protein L16 |
| **Protein Family** | 50S ribosomal protein |
| **UniProt Gene Name** | rplP |
| **NCBI Protein Information** | Ribosomal protein L16/L10E |
| **UniProt Comments for rplP** | Binds 23S rRNA and is also seen to make contacts with the A and possibly P site tRNAs. |
| **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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