# 50s Ribosomal Protein L4 (rplD) Rhizobium Meliloti Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 50S ribosomal protein L4 (rplD), Recombinant Protein |
| **Full Product Name** | Recombinant Rhizobium meliloti 50S ribosomal protein L4 (rplD) |
| **Product Gene Name** | rplD recombinant protein |
| **Product Synonym Gene Name** | rplD |
| **Sequence** | MDLTVKTLEG KDAGKVSLSD AIFGLEPRED IIARVVRWQL AKRQQGTHKS KGRAEVSRTG AKMYKQKGTG RARHHSARAP QFRGGGKAHG PVVRSHAHDL PKKIRALGLR HALSAKLKAE DIIVIDDLVA NEAKTKALAG AFASLGLTNA LIIGGAEIEG NFKLAAQNIP NVDVLPVQGI NVYDILRRGK LVLSKAAVEA LEERFK |
| **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** | 22,244 Da |
| **Sequence Positions** | 1-206, Full length |
| **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 Q92QG9 |
| **Species** | Rhizobium meliloti (strain 1021) (Ensifer meliloti) (Sinorhizobium meliloti) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rplD recombinant protein** | MBS1486651 is a recombinant protein targeting rplD. Also known as Recombinant Rhizobium meliloti 50S ribosomal protein L4 (rplD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rplD 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 rplD. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 15965110 |
| **NCBI GeneID** | 1233009 |
| **NCBI Accession #** | NP_385463.1 |
| **UniProt Primary Accession #** | Q92QG9 |
| **UniProt Related Accession #** | Q92QG9 |
| **GenBank Nucleotide #** | NC_003047.1 |

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| **NCBI Official Full Name** | 50S ribosomal protein L4 |
| **NCBI Official Symbol** | rplD |
| **UniProt Protein Name** | 50S ribosomal protein L4 |
| **Protein Family** | 50S ribosomal protein |
| **UniProt Gene Name** | rplD |
| **NCBI Protein Information** | 50S ribosomal protein L4 |
| **UniProt Comments for rplD** | One of the primary rRNA binding proteins, this protein initially binds near the 5'-end of the 23S rRNA. 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. |
| **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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