# 50s Ribosomal Protein L4 (rplD) Staphylococcus Aureus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 50S ribosomal protein L4 (rplD), Recombinant Protein |
| **Full Product Name** | Recombinant Staphylococcus aureus 50S ribosomal protein L4 (rplD) |
| **Product Gene Name** | rplD recombinant protein |
| **Sequence** | MANYDVLKLD GTKSGSIELS DAVFGIEPNN SVLFEAINLQ RASLRQGTHA VKNRSAVSGG GRKPWKQKGT GRARQGTIRA PQWRGGGIVF GPTPRSYAYK MPKKMRRLAL RSALSFKAQE NGLTVVDAFN FEAPKTKEFK NVLSTLEQPK KVLVVTENED VNVELSARNI PGVQVTTAQG LNVLDITNAD SLVITEAAAK KVEEVLG |
| **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** | 22,465 Da |
| **Sequence Positions** | 1-207, 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 A7X5G2 |
| **Species** | Staphylococcus aureus (strain Mu3 / 700698) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rplD recombinant protein** | MBS1220534 is a recombinant protein targeting rplD. Also known as Recombinant Staphylococcus aureus 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 #** | 445946972 |
| **NCBI Accession #** | WP_000024827.1 |
| **UniProt Primary Accession #** | A7X5G2 |
| **GenBank Nucleotide #** | WP_000024827.1 |
| **NCBI Official Full Name** | MULTISPECIES: 50S ribosomal protein L4 |
| **UniProt Protein Name** | 50S ribosomal protein L4 |
| **Protein Family** | 50S ribosomal protein |

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| **UniProt Gene Name** | rplD |
| **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. |
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