# 50s Ribosomal Protein L5 (rplE) Chlorobium Limicola Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 50S ribosomal protein L5 (rplE), Recombinant Protein |
| **Full Product Name** | Recombinant Chlorobium limicola 50S ribosomal protein L5 (rplE) |
| **Product Gene Name** | rplE recombinant protein |
| **Sequence** | MTKTKEKAPA ENVEARLEIF YKDKVVPKLM ERFQYKNVMM VPKLQKIAIN IGVGEAAAEP KLLETAMSEL AQITGQKPQI RKSRKAISNF KLRENQPIGC RVTLRRKTMY EFLDRFVSLA VPRIRDFRGL NDTSFDGRGN YTTGIREQII FPEIDIDKVP RISGMDISFV TSAATDEEAY VLLAELGMPF KKKNN |
| **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** | 22,263 Da |
| **Sequence Positions** | 1-195, 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 B3EGX8 |
| **Species** | Chlorobium limicola (strain DSM 245 / NBRC 103803) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rplE recombinant protein** | MBS1218266 is a recombinant protein targeting rplE. Also known as Recombinant Chlorobium limicola 50S ribosomal protein L5 (rplE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rplE 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 rplE. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 501443659 |
| **NCBI Accession #** | WP_012467108.1 |
| **UniProt Primary Accession #** | B3EGX8 |
| **GenBank Nucleotide #** | WP_012467108.1 |
| **NCBI Official Full Name** | 50S ribosomal protein L5 |
| **UniProt Protein Name** | 50S ribosomal protein L5 |
| **Protein Family** | 50S ribosomal protein |

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| **UniProt Gene Name** | rplE |
| **UniProt Comments for rplE** | This is 1 of the proteins that binds and probably mediates the attachment of the 5S RNA into the large ribosomal subunit, where it forms part of the central protuberance. In the 70S ribosome it contacts protein S13 of the 30S subunit (bridge B1b), connecting the 2 subunits; this bridge is implicated in subunit movement. Contacts the P site tRNA; the 5S rRNA and some of its associated proteins might help stabilize positioning of ribosome-bound tRNAs. |
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