# 30s Ribosomal Protein S7 (rpsG) Clostridium Perfringens Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 30S ribosomal protein S7 (rpsG), Recombinant Protein |
| **Full Product Name** | Recombinant Clostridium perfringens 30S ribosomal protein S7 (rpsG) |
| **Product Gene Name** | rpsG recombinant protein |
| **Product Synonym Gene Name** | rpsG |
| **Sequence** | MPRKGHIAKR DVLPDPVYNS KVVTKLINNV MEDGKKGVAQ KICYDAFQII NEKTGRDAME VFEEAMNNIM PLLEVKARRI GGANYQVPIE VRPERRQTLG LRWLLAASRK RGEKYMRERL AGELMDAANN TGAAVKKRED THKMAEANKA FAHYRY |
| **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** | 17,832 Da |
| **Sequence Positions** | 1-156, 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 Q0SQE0 |
| **Species** | Clostridium perfringens (strain SM101 / Type A) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rpsG recombinant protein** | MBS1455022 is a recombinant protein targeting rpsG. Also known as Recombinant Clostridium perfringens 30S ribosomal protein S7 (rpsG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rpsG 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 rpsG. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 123047160 |
| **NCBI Accession #** | Q0SQE0.1 |
| **UniProt Primary Accession #** | Q0SQE0 |
| **NCBI Official Full Name** | 30S ribosomal protein S7 |
| **UniProt Protein Name** | 30S ribosomal protein S7 |
| **Protein Family** | 30S ribosomal protein |

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| **UniProt Gene Name** | rpsG |
| **UniProt Comments for rpsG** | One of the primary rRNA binding proteins, it binds directly to 16S rRNA where it nucleates assembly of the head domain of the 30S subunit. Is located at the subunit interface close to the decoding center, probably blocks exit of the E-site tRNA. |
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