# Peptide Chain Release Factor 1 (prfA) Synechococcus Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Peptide chain release factor 1 (prfA), Recombinant Protein |
| **Full Product Name** | Recombinant Synechococcus sp. Peptide chain release factor 1 (prfA) |
| **Product Gene Name** | prfA recombinant protein |
| **Product Synonym Gene Name** | prfA |
| **Sequence** | MDASTLLARL EAATASFRNL ERQLADPDVA ADPTRLEKIA RERARLEPLV LDFEELQVLE GEQKQSRELL KECRGDAAME ELAQDDLASL NRRHAELTEK LTVALLPRDP RDERSVMLEI RAGAGGDEAC IWAGDLARMY ERYSQKLGWN VQPISSNEAD LGGFRELILS VKGDSVFSQL KFEAGVHRVQ RVPATESQGR VHTSTATVAV MPEADAVEVQ LDPKDLEIST ARSGGAGGQN VNKVETAVDL LHKPSGIRVF CTQERSQLQN RERALEILRA KLLEQEQREA AARESSDRRA QVGSGDRSEK IRTYNYKDNR TTDHRLGRNF SLDPVLDGQL EDLIGACIAE EQRQKLEALS QQNED |
| **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** | 40,738 Da |
| **Sequence Positions** | 1-365, 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 Q7U4H2 |
| **Species** | Synechococcus sp. (strain WH8102) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for prfA recombinant protein** | MBS1307082 is a recombinant protein targeting prfA. Also known as Recombinant Synechococcus sp. Peptide chain release factor 1 (prfA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of prfA 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 prfA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499441489 |
| **NCBI Accession #** | WP_011128953.1 |
| **UniProt Primary Accession #** | Q7U4H2 |
| **GenBank Nucleotide #** | WP_011128953.1 |

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| **NCBI Official Full Name** | peptide chain release factor 1 |
| **UniProt Protein Name** | Peptide chain release factor 1 |
| **Protein Family** | Listeriolysin regulatory protein |
| **UniProt Gene Name** | prfA |
| **UniProt Synonym Gene Names** | RF-1 |
| **UniProt Comments for prfA** | Peptide chain release factor 1 directs the termination of translation in response to the peptide chain termination codons UAG and UAA. |
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