# Ribosome-Binding Factor A (rbfA) Synechococcus Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ribosome-binding factor A (rbfA), Recombinant Protein |
| **Full Product Name** | Recombinant Synechococcus sp. Ribosome-binding factor A (rbfA) |
| **Product Gene Name** | rbfA recombinant protein |
| **Product Synonym Gene Name** | rbfA |
| **Sequence** | MAQGRRVERV AALIRKEVSE LMINGIRDER VHHGMVSITE VEVSGDLQHC KIFVSVFGEA QERDQVLEGL QAASGFLRGE LGRRLQMRRA PEVVFQLDRG LERGTSVLGL LNRLEDERQQ RGDIPPGSDQ QPGSDEQPTG |
| **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** | 15,629 Da |
| **Sequence Positions** | 1-140, 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 Q3AH50 |
| **Species** | Synechococcus sp. (strain CC9605) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rbfA recombinant protein** | MBS1477383 is a recombinant protein targeting rbfA. Also known as Recombinant Synechococcus sp. Ribosome-binding factor A (rbfA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rbfA 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 rbfA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499684547 |
| **NCBI Accession #** | WP_011365281.1 |
| **UniProt Primary Accession #** | Q3AH50 |
| **GenBank Nucleotide #** | WP_011365281.1 |
| **NCBI Official Full Name** | ribosome-binding factor A |
| **UniProt Protein Name** | Ribosome-binding factor A |

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| **Protein Family** | Putative ribosome-binding factor |
| **UniProt Gene Name** | rbfA |
| **UniProt Comments for rbfA** | One of several proteins that assist in the late maturation steps of the functional core of the 30S ribosomal subunit. Associates with free 30S ribosomal subunits (but not with 30S subunits that are part of 70S ribosomes or polysomes). Required for efficient processing of 16S rRNA. May interact with the 5'-terminal helix region of 16S rRNA. |
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