# Protein Hfq (hfq) Salmonella Enteritidis PT4 Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Protein hfq (hfq), Recombinant Protein |
| **Full Product Name** | Recombinant Salmonella enteritidis PT4 Protein hfq (hfq) |
| **Product Gene Name** | hfq recombinant protein |
| **Sequence** | MAKGQSLQDP FLNALRRERV PVSIYLVNGI KLQGQIESFD QFVILLKNTV SQMVYKHAIS TVVPSRPVSH HSNNAGGGAS NNYHHGSNAQ GSTAQQDSEE TE |
| **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** | 11,133 Da |
| **Sequence Positions** | 1-102, 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 B5R0N9 |
| **Species** | Salmonella enteritidis PT4 (strain P125109) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for hfq recombinant protein** | MBS1202349 is a recombinant protein targeting hfq. Also known as Recombinant Salmonella enteritidis PT4 Protein hfq (hfq). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of hfq 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 hfq. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446974619 |
| **NCBI Accession #** | WP_001051875.1 |
| **UniProt Primary Accession #** | B5R0N9 |
| **GenBank Nucleotide #** | WP_001051875.1 |
| **NCBI Official Full Name** | RNA-binding protein Hfq |
| **UniProt Protein Name** | RNA-binding protein Hfq |
| **Protein Family** | RNA-binding protein |

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| **UniProt Gene Name** | hfq |
| **UniProt Comments for hfq** | RNA chaperone that binds small regulatory RNA (sRNAs) and mRNAs to facilitate mRNA translational regulation in response to envelope stress, environmental stress and changes in metabolite concentrations. Also binds with high specificity to tRNAs. |
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