# Translation Initiation Factor if-2 (infB) Frankia Alni Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Translation initiation factor IF-2 (infB), Recombinant Protein |
| **Full Product Name** | Recombinant Frankia alni Translation initiation factor IF-2 (infB), partial |
| **Product Gene Name** | infB recombinant protein |
| **Product Synonym Gene Name** | infB |
| **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** | 103,535 Da |
| **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 Q0RDS4 |
| **Species** | Frankia alni (strain ACN14a) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for infB recombinant protein** | MBS1349994 is a recombinant protein targeting infB. Also known as Recombinant Frankia alni Translation initiation factor IF-2 (infB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of infB 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 infB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499926099 |
| **NCBI Accession #** | WP_011606833.1 |
| **UniProt Primary Accession #** | Q0RDS4 |
| **GenBank Nucleotide #** | WP_011606833.1 |
| **NCBI Official Full Name** | translation initiation factor IF-2 |
| **UniProt Protein Name** | Translation initiation factor IF-2 |
| **Protein Family** | Probable translation initiation factor |
| **UniProt Gene Name** | infB |

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| **UniProt Comments for infB** | One of the essential components for the initiation of protein synthesis. Protects formylmethionyl-tRNA from spontaneous hydrolysis and promotes its binding to the 30S ribosomal subunits. Also involved in the hydrolysis of GTP during the formation of the 70S ribosomal complex. |
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