Translation Initiation Factor if-2 (infB) Trichodesmium Erythraeum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Translation initiation factor IF-2 (infB), Recombinant Protein
Full Product Name	Recombinant Trichodesmium erythraeum 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	116,624 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 Q10XM3
Species	Trichodesmium erythraeum (strain IMS101)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for infB recombinant protein	MBS1339681 is a recombinant protein targeting infB. Also known as Recombinant Trichodesmium erythraeum 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.

NCBI GI #	499932597
NCBI Accession #	WP_011613331.1
UniProt Primary Accession #	Q10XM3
GenBank Nucleotide #	WP_011613331.1
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

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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