Translation Initiation Factor if-1 2 (infA2) Thiobacillus Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Translation initiation factor IF-1 2 (infA2), Recombinant Protein
Full Product Name	Recombinant Thiobacillus denitrificans Translation initiation factor IF-1 2 (infA2)
Product Gene Name	infA2 recombinant protein
Product Synonym Gene Name	infA2
Sequence	MAKEEVIEME GVVNEVLPQT RFRVTLDNGF EITAYASGKM RKHRIRILAG DKVTVEMSPY DLTKGRINFR HKDAHQAPRP TVARRYN
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	10,057 Da
Sequence Positions	1-87, Full length
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 Q3SIV9
Species	Thiobacillus denitrificans (strain 25259)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for infA2 recombinant protein	MBS1477973 is a recombinant protein targeting infA2. Also known as Recombinant Thiobacillus denitrificans Translation initiation factor IF-1 2 (infA2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of infA2 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 infA2. It may not necessarily be applicable to this product.

NCBI GI #	499631241
NCBI Accession #	WP_011311975.1
UniProt Primary Accession #	Q3SIV9
GenBank Nucleotide #	WP_011311975.1
NCBI Official Full Name	translation initiation factor IF-1
UniProt Protein Name	Translation initiation factor IF-1 2

Protein Family	Translation initiation factor
UniProt Gene Name	infA2
UniProt Comments for infA2	One of the essential components for the initiation of protein synthesis. Stabilizes the binding of IF-2 and IF-3 on the 30S subunit to which N-formylmethionyl-tRNA(fMet) subsequently binds. Helps modulate mRNA selection, yielding the 30S pre-initiation complex (PIC). Upon addition of the 50S ribosomal subunit IF-1, IF-2 and IF-3 are released leaving the mature 70S translation initiation complex.
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