Elongation Factor Tu (tuf) Nitrobacter Winogradskyi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor Tu (tuf), Recombinant Protein
Full Product Name	Recombinant Nitrobacter winogradskyi Elongation factor Tu (tuf)
Product Gene Name	tuf recombinant protein
Product Synonym Gene Name	tuf
Sequence	MAKAKFERNK PHCNIGTIGH VDHGKTSLTA AITKVLAEAG GATFTAYDQI DKAPEEKARG ITISTSHVEY ETPNRHYAHV DCPGHADYVK NMITGAAQMD GAILVVSAAD GPMPQTREHI LLARQVGVPA IVVFLNKCDM VDDPELLELV EMEVRELLSK YEFPGDDIPI IKGSALAALE DSDAKLGKEA VLELMKAVDA YIPQPERPVD QPFLMPVEDV FSISGRGTVV TGRVERGIVK VGEEIEIVGI RETQKTTVTG VEMFRKLLDQ GQAGDNIGAL LRGTKREDVE RGQVLCKPGS VKPHTKFKAE AYILTKEEGG RHTPFFTNYR PQFYFRTTDV TGVVHLPAGT EMVMPGDNVA MEVHLIVPIA MEEKLRFAIR EGGRTVGAGV VASIIE
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	43,180 Da
Sequence Positions	1-396, 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 Q3SSW8
Species	Nitrobacter winogradskyi (strain Nb-255 / 25391)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuf recombinant protein	MBS1385848 is a recombinant protein targeting tuf. Also known as Recombinant Nitrobacter winogradskyi Elongation factor Tu (tuf). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tuf 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 tuf. It may not necessarily be applicable to this product.

NCBI GI #	499633906
NCBI Accession #	WP_011314640.1
UniProt Primary Accession #	Q3SSW8
GenBank Nucleotide #	WP_011314640.1

NCBI Official Full Name	elongation factor Tu
UniProt Protein Name	Elongation factor Tu
UniProt Gene Name	tuf
UniProt Synonym Gene Names	EF-Tu
UniProt Comments for tuf	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
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