Elongation Factor Tu (tuf) Bacillus Anthracis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor Tu (tuf), Recombinant Protein
Full Product Name	Recombinant Bacillus anthracis Elongation factor Tu (tuf)
Product Gene Name	tuf recombinant protein
Product Synonym Gene Name	tuf
Sequence	MAKAKFERSK PHVNIGTIGH VDHGKTTLTA AITTVLAKAG GAEARGYDQI DAAPEERERG ITISTAHVEY ETETRHYAHV DCPGHADYVK NMITGAAQMD GGILVVSAAD GPMPQTREHI LLSRQVGVPY IVVFLNKCDM VDDEELLELV EMEVRDLLSE YGFPGDDIPV IKGSALKALQ GEADWEAKII ELMAEVDAYI PTPERETDKP FLMPVEDVFS ITGRGTVATG RVERGIVKVG DVVEIIGLAE ENASTTVTGV EMFRKLLDQA QAGDNIGALL RGVAREDIQR GQVLAKSGSV KAHAKFKAEV FVLSKEEGGR HTPFFANYRP QFYFRTTDVT GIIQLPEGTE MVMPGDNIEM TIELIAPIAI EEGTKFSIRE GGRTVGYGVV ATIVE
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	42,939 Da
Sequence Positions	1-395, 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 Q81VT2
Species	Bacillus anthracis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuf recombinant protein	MBS1309092 is a recombinant protein targeting tuf. Also known as Recombinant Bacillus anthracis 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 #	30260299
NCBI GeneID	1087644
NCBI Accession #	NP_842676.1
UniProt Primary Accession #	Q81VT2

UniProt Secondary Accession #	Q6I4T6; Q6KYI2
GenBank Nucleotide #	NC_003997.3
NCBI Official Full Name	translation elongation factor Tu
NCBI Official Symbol	tuf
UniProt Protein Name	Elongation factor Tu
UniProt Gene Name	tuf
UniProt Synonym Gene Names	EF-Tu
NCBI Protein Information	translation elongation factor 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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