Elongation Factor Tu 1 (tuf1) Shewanella Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor Tu 1 (tuf1), Recombinant Protein
Full Product Name	Recombinant Shewanella sp. Elongation factor Tu 1 (tuf1)
Product Gene Name	tuf1 recombinant protein
Product Synonym Gene Name	tuf1
Sequence	MAKAKFERNK PHVNVGTIGH VDHGKTTLTA AISHVLAKTY GGEAKDFSQI DNAPEERERG ITINTSHIEY DTPTRHYAHV DCPGHADYVK NMITGAAQMD GAILVVASTD GPMPQTREHI LLSRQVGVPF IIVFMNKCDM VDDAELLELV EMEVRELLSE YDFPGDDLPV IQGSALKALE GEPEWEAKII ELAEALDSYI PEPERDIDKP FLMPIEDVFS ISGRGTVVTG RVERGIVRVG DEVEIVGIRA TTKTTCTGVE MFRKLLDEGR AGENCGILLR GTKRDDVERG QVLSKPGSIN PHTTFESEVY VLSKEEGGRH TPFFKGYRPQ FYFRTTDVTG TIELPEGVEM VMPGDNIKMK VTLICPIAMD EGLRFAIREG GRTVGAGVVA KIFA
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	43,417 Da
Sequence Positions	1-394, 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 Q0I0B9
Species	Shewanella sp. (strain MR-7)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuf1 recombinant protein	MBS1382270 is a recombinant protein targeting tuf1. Also known as Recombinant Shewanella sp. Elongation factor Tu 1 (tuf1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tuf1 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 tuf1. It may not necessarily be applicable to this product.

NCBI GI #	499940283
NCBI Accession #	WP_011621017.1
UniProt Primary Accession #	Q0I0B9
GenBank Nucleotide #	WP_011621017.1

NCBI Official Full Name	MULTISPECIES: elongation factor Tu
UniProt Protein Name	Elongation factor Tu 1
Protein Family	Elongation factor
UniProt Gene Name	tuf1
UniProt Synonym Gene Names	EF-Tu 1
UniProt Comments for tuf1	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
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