Elongation Factor Tu 2 (tuf2) Shewanella Oneidensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor Tu 2 (tuf2), Recombinant Protein
Full Product Name	Recombinant Shewanella oneidensis Elongation factor Tu 2 (tuf2)
Product Gene Name	tuf2 recombinant protein
Product Synonym Gene Name	tuf2
Sequence	MAKAKFERSK PHVNVGTIGH VDHGKTTLTA AISHVLAKTY GGEAKDFSQI DNAPEERERG ITINTSHIEY DTPSRHYAHV DCPGHADYVK NMITGAAQMD GAILVVASTD GPMPQTREHI LLSRQVGVPF IIVFMNKCDM VDDAELLELV EMEVRELLSE YDFPGDDLPV IQGSALKALE GEPEWEAKIL ELAAALDSYI PEPERDIDKP FLMPIEDVFS ISGRGTVVTG RVERGIVRVG DEVEIVGIRT TTKTTCTGVE MFRKLLDEGR AGENCGILLR GTKRDDVERG QVLSKPGSIN PHTTFESEVY VLSKEEGGRH TPFFKGYRPQ FYFRTTDVTG TIELPEGVEM VMPGDNIKMV VTLICPIAMD EGLRFAIREG GRTVGAGVVA KIIA
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	43,284 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 Q8EK70
Species	Shewanella oneidensis (strain MR-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuf2 recombinant protein	MBS1386995 is a recombinant protein targeting tuf2. Also known as Recombinant Shewanella oneidensis Elongation factor Tu 2 (tuf2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tuf2 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 tuf2. It may not necessarily be applicable to this product.

NCBI GI #	24371827
NCBI GeneID	1168112
NCBI Accession #	NP_715869.1
UniProt Primary Accession #	Q8EK70

UniProt Related Accession #	Q8EK70
GenBank Nucleotide #	NC_004347.2
NCBI Official Full Name	translation elongation factor Tu TufA
NCBI Official Symbol	tufA
UniProt Protein Name	Elongation factor Tu 2
Protein Family	Elongation factor
UniProt Gene Name	tuf2
UniProt Synonym Gene Names	EF-Tu 2
NCBI Protein Information	translation elongation factor Tu TufA
UniProt Comments for tuf2	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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