Elongation Factor Tu (tuf1) Shigella Boydii Serotype 4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor Tu (tuf1), Recombinant Protein
Full Product Name	Recombinant Shigella boydii serotype 4 Elongation factor Tu (tuf1)
Product Gene Name	tuf1 recombinant protein
Product Synonym Gene Name	tuf1
Sequence	MSKEKFERTK PHVNVGTIGH VDHGKTTLTA AITTVLAKTY GGAARAFDQI DNAPEEKARG ITINTSHVEY DTPTRHYAHV DCPGHADYVK NMITGAAQMD GAILVVAATD GPMPQTREHI LLGRQVGVPY IIVFLNKCDM VDDEELLELV EMEVRELLSQ YDFPGDDTPI VRGSALKALE GDAEWEAKIL ELAGFLDSYI PEPERAIDKP FLLPIEDVFS ISGRGTVVTG RVERGIIKVG EEVEIVGIKE TQKSTCTGVE MFRKLLDEGR AGENVGVLLR GIKREEIERG QVLAKPGTIK PHTKFESEVY ILSKDEGGRH TPFFKGYRPQ FYFRTTDVTG TIELPEGVEM VMPGDNIKMV VTLIHPIAMD DGLRFAIREG GRTVGAGVVA KVLG
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
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 Q31VV0
Species	Shigella boydii serotype 4 (strain Sb227)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuf1 recombinant protein	MBS1280948 is a recombinant protein targeting tuf1. Also known as Recombinant Shigella boydii serotype 4 Elongation factor Tu (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 #	445953928
NCBI Accession #	WP_000031783.1
UniProt Primary Accession #	Q31VV0
GenBank Nucleotide #	WP_000031783.1

NCBI Official Full Name	MULTISPECIES: translation elongation factor EF-Tu 1
UniProt Protein Name	Elongation factor Tu
Protein Family	Elongation factor
UniProt Gene Name	tuf1
UniProt Synonym Gene Names	EF-Tu
UniProt Comments for tuf1	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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