Elongation Factor Tu (tuf1) Clostridium Kluyveri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor Tu (tuf1), Recombinant Protein
Full Product Name	Recombinant Clostridium kluyveri Elongation factor Tu (tuf1)
Product Gene Name	tuf1 recombinant protein
Product Synonym Gene Name	tuf1; CKL_0208; AND; tuf2; CKL_0222
Product Synonym Names	Elongation factor Tu; EF-Tu
Sequence	MSKEKFERTK PHVNIGTIGH VDHGKTTLTA AITMVLAKEG KASATKYDEI DKAPEEKERG ITINTAHVEY ETEVRHYAHV DCPGHADYVK NMITGAAQMD GAILVVSAAD GPMPQTREHI LLASRVGVQY IVVFLNKSDQ VDDPELIELV EMEVRELLSE YGFPGDDVPI IVGSALKVIE NPEDAEATKC IYELMEAVDT YIPTPERPVD KPFLMPIEDV FTITGRGTVA TGRVESGVLK IGDEVEIVGL KEEKKKTVCT GVEMFRKLLD QAMAGDNIGA LLRGIQREEI ERGQVLSKPG SVKPHKKFVG QVYVLKKEEG GRHTPFFNGY RPQFYFRTTD VTGSISLPEG VEMVMPGDHI DMNVELITPV AMHEGLRFAI REGGRTVGSG VVTTVSE
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	43,675 Da
Sequence Positions	1-397aa; 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 A5N4N1
Species	Clostridium kluyveri (strain 8527 / DSM 555 / NCIMB 10680)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuf1 recombinant protein	MBS1253375 is a recombinant protein targeting tuf1. Also known as Recombinant Clostridium kluyveri 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 #	153952845
NCBI GeneID	5390717
NCBI Accession #	YP_001393610.1

UniProt Primary Accession #	A5N4N1
UniProt Related Accession #	A5N4N1
GenBank Nucleotide #	NC_009706.1
NCBI Official Full Name	elongation factor Tu
NCBI Official Symbol	tuf1
UniProt Protein Name	Elongation factor Tu
Protein Family	Elongation factor
UniProt Gene Name	tuf1
UniProt Synonym Gene Names	EF-Tu
UniProt Entry Name	EFTU_CLOK5
NCBI Protein Information	elongation factor 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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