Elongation Factor Tu (tuf1) Aromatoleum Aromaticum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor Tu (tuf1), Recombinant Protein
Full Product Name	Recombinant Aromatoleum aromaticum Elongation factor Tu (tuf1)
Product Gene Name	tuf1 recombinant protein
Product Synonym Gene Name	tuf1
Sequence	MAKGKFERTK PHVNVGTIGH VDHGKTTLTA AITTILSKKF GGEAKAYDQI DAAPEEKARG ITINTAHVEY ETANRHYAHV DCPGHADYVK NMITGAAQMD GAILVCSAAD GPMPQTREHI LLARQVGVPY IIVFLNKCDM VDDEELLELV EMEVRELLSK YDFPGDDVPI IKGSALKALE GDQSDIGEPA IFRLAEALDS YIPTPERAID RPFLLPIEDV FSISGRGTVV TGRVERGIVK VGEEVEIVGI KATVKTTCTG VEMFRKLLDQ GQAGDNVGVL LRGTKREDVE RGQVLCKPGS IKPHTHFTGE VYVLSKEEGG RHTPFFNNYR PQFYFRTTDV TGSIELPEGT EMVMPGDNVS ITVKLMAPIA MEEGLRFAIR EGGRTVGAGV VAKIIE
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	43,204 Da
Sequence Positions	1-396, 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 Q5P334
Species	Aromatoleum aromaticum (strain EbN1) (Azoarcus sp. (strain EbN1))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuf1 recombinant protein	MBS1335775 is a recombinant protein targeting tuf1. Also known as Recombinant Aromatoleum aromaticum 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 #	499557176
NCBI Accession #	WP_011237959.1
UniProt Primary Accession #	Q5P334
GenBank Nucleotide #	WP_011237959.1

NCBI Official Full Name	elongation factor Tu
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.
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