Elongation Factor 1-Alpha (tuf) Methanopyrus Kandleri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor 1-alpha (tuf), Recombinant Protein
Full Product Name	Recombinant Methanopyrus kandleri Elongation factor 1-alpha (tuf)
Product Gene Name	tuf recombinant protein
Product Synonym Gene Name	tuf
Sequence	MAKEKEHINL AFIGHVDHGK STLVGRLLYD TGVIEDKDLG EGEDKFRVIM DTLEEERERG VTIDLAHTKF ETDNYEFTIV DCPGHRDFVK NMITGASQAD AAILVVAADD GVMPQTKEHA FLAKTLGIDQ LIVAINKMDL VDYDENRYEE VKQEVAELLK TIGYNVDEIP FIPISAFEGD NVVEKSDNTP WYDGPTLLEA LDNLEPPEKP TDKPLRIPIQ DVYSITGVGT VPVGRVETGV LEVGDTVRFE PAYTATGGRK GEGEVRSIEM HHEEIERAEP GDNIGFNVKG VGKNDISRGD VACHPDEPAT VVTPDDTFIA QIVVLQHPSA ITAGYTPVFH CHTAQVACKF EELIEKIDPA TGEVIEENPD FLKTGEAAKV RIRPTKPMVI EEVSFIPQLG RFAIRDMGQT VAAGMCVKIE KEE
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	46,652 Da
Sequence Positions	1-423, 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 Q8TYP6
Species	Methanopyrus kandleri (strain AV19 / DSM 6324 / JCM 9639 / NBRC 100938)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tuf recombinant protein	MBS1329346 is a recombinant protein targeting tuf. Also known as Recombinant Methanopyrus kandleri Elongation factor 1-alpha (tuf). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tuf 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 tuf. It may not necessarily be applicable to this product.

NCBI GI #	24211665
NCBI Accession #	Q8TYP6.1
UniProt Primary Accession #	Q8TYP6
NCBI Official Full Name	Elongation factor 1-alpha

UniProt Protein Name	Elongation factor 1-alpha
UniProt Synonym Protein Names	Elongation factor Tu
UniProt Gene Name	tuf
UniProt Synonym Gene Names	EF-1-alpha; EF-Tu
UniProt Comments for tuf	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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