Elongation Factor Ts (tsf) Borrelia Afzelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor Ts (tsf), Recombinant Protein
Full Product Name	Recombinant Borrelia afzelii Elongation factor Ts (tsf)
Product Gene Name	tsf recombinant protein
Product Synonym Gene Name	tsf
Sequence	MSIISPQDVK KLREETNAGF GDCKKALSAA GGDFELAKKK LREMGIASAE KRLDRDAKEG RVFSYSNNIH AGLLLVSCET DFVALNHNFV NFGNSLIKEL VESGRNSLAT SQELELKNLA ATIKENIQVK KIFITEIQSN EFVKIYLHGE QSKIGVLVKL KVDDFSKTED KMLQDFAMDL ALHVAALAPI YLRNDDVCPN YIKEQEEIFA KQLELSGKSE SIVKGIVAGK IKKHLAEISL LEQGFVKNDK LTVREMLEEV SKAISSKIEI VEFKYLRIG
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	31,181 Da
Sequence Positions	1-279, 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 Q0SP42
Species	Borrelia afzelii (strain PKo)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tsf recombinant protein	MBS1326934 is a recombinant protein targeting tsf. Also known as Recombinant Borrelia afzelii Elongation factor Ts (tsf). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tsf 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 tsf. It may not necessarily be applicable to this product.

NCBI GI #	490928686
NCBI Accession #	WP_004790539.1
UniProt Primary Accession #	Q0SP42
UniProt Secondary Accession #	G0IQW7
GenBank Nucleotide #	WP_004790539.1

NCBI Official Full Name	elongation factor Ts
UniProt Protein Name	Elongation factor Ts
Protein Family	Elongation factor
UniProt Gene Name	tsf
UniProt Synonym Gene Names	EF-Ts
UniProt Comments for tsf	Associates with the EF-Tu.GDP complex and induces the exchange of GDP to GTP. It remains bound to the aminoacyl-tRNA.EF-Tu.GTP complex up to the GTP hydrolysis stage on the ribosome.
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