Transcription Factor E (tfe) Uncultured Methanogenic Archaeon Rc-I Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transcription factor E (tfe), Recombinant Protein
Full Product Name	Recombinant Uncultured methanogenic archaeon RC-I Transcription factor E (tfe)
Product Gene Name	tfe recombinant protein
Product Synonym Gene Name	tfe
Sequence	MSALDNKAVR GYIQKLVGDE GMAVVEKMIE KVPDQEVTDE QVAQISGINL NLVRKTLYIL YENHLAMYRR ERDKDSGWLT YLWKLDLDNS VHMLRNEARK LIKKLERRLE FESNEFYICQ EEAPHRILFD YAMETNFVCP VDETPLMHYD NTAEKQALRN RIDDLKKSLA Q
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	20,184 Da
Sequence Positions	1-171, 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 Q0W8N8
Species	Uncultured methanogenic archaeon RC-I
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tfe recombinant protein	MBS1437033 is a recombinant protein targeting tfe. Also known as Recombinant Uncultured methanogenic archaeon RC-I Transcription factor E (tfe). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tfe 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 tfe. It may not necessarily be applicable to this product.

NCBI GI #	500975514
NCBI Accession #	WP_012037235.1
UniProt Primary Accession #	Q0W8N8
GenBank Nucleotide #	WP_012037235.1
NCBI Official Full Name	transcription factor
UniProt Protein Name	Transcription factor E

UniProt Synonym Protein Names	TFIIE subunit alpha homolog
Protein Family	Transcription factor
UniProt Gene Name	tfe
UniProt Synonym Gene Names	TFE
UniProt Comments for tfe	Transcription factor that plays a role in the activation of archaeal genes transcribed by RNA polymerase. Facilitates transcription initiation by enhancing TATA-box recognition by TATA-box-binding protein (Tbp), and transcription factor B (Tfb) and RNA polymerase recruitment. Not absolutely required for transcription in vitro, but particularly important in cases where Tbp or Tfb function is not optimal. It dynamically alters the nucleic acid-binding properties of RNA polymerases by stabilizing the initiation complex and destabilizing elongation complexes. Seems to translocate with the RNA polymerase following initiation and acts by binding to the non template strand of the transcription bubble in elongation complexes.
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