Trigger Factor (tig) Treponema Pallidum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trigger factor (tig), Recombinant Protein
Full Product Name	Recombinant Treponema pallidum Trigger factor (tig)
Product Gene Name	tig recombinant protein
Sequence	MELQKKFTAL AQSQVELEVV VAREDAQRHY QRFVEEYLER ARLPGFRKGK VPLAVLERKY GSAIRQDAAA ALMEKALEEG FAQASQDSQP LPISRPSLKK KPVFDPDEDF SFAVIYDVFP SVELRNTSGF SLSVPTVSVT EEDVSRELTR IQERNALVTD KGADSCAEVG DIATVDYHEV DDSGAVRPGT ERAGVVFTLG VEEGPFALGQ DILGMKLGQR CLFAKRAGML KDEAAQVRVT LKALKQRQLP SLDDELAQDV SDAFRTLDDL TRSVRQNLAE ALEAALHEYK RRQLLRILVR ENPFSLPESL VVGEMESRWA LVMRQFGVSL SGTPQNKLQF FQQWRPEVEE HLKQRVIVEL LLKQEQVSVS AEEIETEYVR IASKTGSKEE RVREYYAGEE KRRALCEGIR ERKLCQKLLG RCVTECGPEQ SLTDFLQEQS RA
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	49,939 Da
Sequence Positions	1-442, 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 O83519
Species	Treponema pallidum (strain Nichols)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tig recombinant protein	MBS1015712 is a recombinant protein targeting tig. Also known as Recombinant Treponema pallidum Trigger factor (tig). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tig 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 tig. It may not necessarily be applicable to this product.

NCBI GI #	499184415
NCBI Accession #	WP_010881955.1
UniProt Primary Accession #	O83519
GenBank Nucleotide #	WP_010881955.1
NCBI Official Full Name	trigger factor

UniProt Protein Name	Trigger factor
UniProt Synonym Protein Names	PPIase
Protein Family	Tiggrin
UniProt Gene Name	tig
UniProt Synonym Gene Names	TF
UniProt Comments for tig	Involved in protein export. Acts as a chaperone by maintaining the newly synthesized protein in an open conformation. Functions as a peptidyl-prolyl cis-trans isomerase ().
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