Trigger Factor (tig) Borrelia Burgdorferi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trigger factor (tig), Recombinant Protein
Full Product Name	Recombinant Borrelia burgdorferi Trigger factor (tig)
Product Gene Name	tig recombinant protein
Sequence	MILSKDIKLL PGSKVEVVIR VSKNVIQEKY NSLLQDYSSR LKIQGFRIGK VPINVIENKY SEGLKATVLE EVINNSFKEF FKEESKIPLS YATPTVKEKN LKLNLDKDFE FTFTYETYPE FKIPSFDEID IKVEIPEVFI DDSDIDDEIK NLQIENSIII EDEEGVVKED SIVKVDFVEL DDLSNEIVST KRQGFVFTVG KSETYYDFDK DVIGMRINEE RVIEKSYIAD YKFEELAGSS RKLKIKIKSI KKRDLPLIDD EFAQDISDKY NTLDDLKNFI RSSLLNIVEE KKETLKLNKF FSTISEKLEI DIPHSMIEAE IEIAFKDAKR QNKNNMSLEE FKSIFYSSGY IGGDNLKDEI LGNLKSKLIM QKMVDLDPIK VTESDVEDEM ARQSKNLGVS YEEIKKFYED QNLISYLKDD IKRERAKKKI LENLKEVKGK KLNFRDFVNY KICE
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	52,906 Da
Sequence Positions	1-454, 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 O51555
Species	Borrelia burgdorferi (strain 35210 / B31 / CIP 102532 / DSM 4680)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tig recombinant protein	MBS1245229 is a recombinant protein targeting tig. Also known as Recombinant Borrelia burgdorferi 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 #	15594955
NCBI GeneID	1195459
NCBI Accession #	NP_212744.1
UniProt Primary Accession #	O51555
UniProt Related Accession #	O51555

GenBank Nucleotide #	NC_001318.1
NCBI Official Full Name	trigger factor
NCBI Official Symbol	tig
UniProt Protein Name	Trigger factor
UniProt Synonym Protein Names	PPIase
Protein Family	Tiggrin
UniProt Gene Name	tig
UniProt Synonym Gene Names	TF
NCBI Protein Information	trigger factor
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 ().
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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