Transcription Elongation Factor Greb (greB) Xanthomonas Axonopodis Pv. Citri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transcription elongation factor GreB (greB), Recombinant Protein
Full Product Name	Recombinant Xanthomonas axonopodis pv. citri Transcription elongation factor GreB (greB)
Product Gene Name	greB recombinant protein
Product Synonym Gene Name	greB
Sequence	MSRWRPPAEK STALITPEGH ARLKAELDDL WRVRRPEVVR ALAAAAAEGD RSENAEYTYR KKQLGEIDRR VRYLSKRLEA LRVVDTAPTD ANAVFFGAQV ELEDAGSGEL LRYRIVGPDE TDAGRGWISI DSPLARALLK KRVDDEFDAH LPAGKHTFVV VSVDYASL
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	18,771 Da
Sequence Positions	1-168, 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 Q8PJ11
Species	Xanthomonas axonopodis pv. citri (strain 306)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for greB recombinant protein	MBS1337514 is a recombinant protein targeting greB. Also known as Recombinant Xanthomonas axonopodis pv. citri Transcription elongation factor GreB (greB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of greB 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 greB. It may not necessarily be applicable to this product.

NCBI GI #	489581030
NCBI Accession #	WP_003485476.1
UniProt Primary Accession #	Q8PJ11
GenBank Nucleotide #	WP_003485476.1
NCBI Official Full Name	MULTISPECIES: transcription elongation factor GreB

UniProt Protein Name	Transcription elongation factor GreB
UniProt Synonym Protein Names	Transcript cleavage factor GreB
Protein Family	Transcription elongation factor
UniProt Gene Name	greB
UniProt Comments for greB	Necessary for efficient RNA polymerase transcription elongation past template-encoded arresting sites. The arresting sites in DNA have the property of trapping a certain fraction of elongating RNA polymerases that pass through, resulting in locked ternary complexes. Cleavage of the nascent transcript by cleavage factors such as GreA or GreB allows the resumption of elongation from the new 3'terminus. GreB releases sequences of up to 9 nucleotides in length.
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