Transcription Elongation Factor Grea (greA) Chloroflexus Aggregans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transcription elongation factor GreA (greA), Recombinant Protein
Full Product Name	Recombinant Chloroflexus aggregans Transcription elongation factor GreA (greA)
Product Gene Name	greA recombinant protein
Sequence	MTEKPTYLTR EGRARLEAEL EHLMTVERKQ IAERIAAAKE LGDISESGEY EDAKKAQALL EGRIRELKHL LSRAEIIDED QASTGEVRIG SSVTVRFEDD GSEETWTIVG SAEANPRQGR ISNESPIGAA LLGKRVRNKV TVHTPSGVMK LTILKVR
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	17,394 Da
Sequence Positions	1-157, 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 B8G358
Species	Chloroflexus aggregans (strain MD-66 / DSM 9485)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for greA recombinant protein	MBS1233385 is a recombinant protein targeting greA. Also known as Recombinant Chloroflexus aggregans Transcription elongation factor GreA (greA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of greA 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 greA. It may not necessarily be applicable to this product.

NCBI GI #	506421370
NCBI Accession #	WP_015941089.1
UniProt Primary Accession #	B8G358
GenBank Nucleotide #	WP_015941089.1
NCBI Official Full Name	transcription elongation factor GreA
UniProt Protein Name	Transcription elongation factor GreA
UniProt Synonym Protein Names	Transcript cleavage factor GreA

Protein Family	Transcription elongation factor
UniProt Gene Name	greA
UniProt Comments for greA	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. GreA releases sequences of 2 to 3 nucleotides.
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