Elongation Factor G (fusA) Geobacillus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor G (fusA), Recombinant Protein
Full Product Name	Recombinant Geobacillus sp. Elongation factor G (fusA), partial
Product Gene Name	fusA recombinant protein
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	77,211 Da
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 C5D3R4
Species	Geobacillus sp. (strain WCH70)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fusA recombinant protein	MBS1261972 is a recombinant protein targeting fusA. Also known as Recombinant Geobacillus sp. Elongation factor G (fusA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fusA 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 fusA. It may not necessarily be applicable to this product.

NCBI GI #	502274856
NCBI Accession #	WP_012748882.1
UniProt Primary Accession #	C5D3R4
GenBank Nucleotide #	WP_012748882.1
NCBI Official Full Name	MULTISPECIES: elongation factor G
UniProt Protein Name	Elongation factor G
Protein Family	Elongation factor
UniProt Gene Name	fusA
UniProt Synonym Gene Names	EF-G

UniProt Comments for fusA	Catalyzes the GTP-dependent ribosomal translocation step during translation elongation. During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl-tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively. Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome.
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