Elongation Factor G 1 (fusA1) Saccharophagus Degradans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor G 1 (fusA1), Recombinant Protein
Full Product Name	Recombinant Saccharophagus degradans Elongation factor G 1 (fusA1), partial
Product Gene Name	fusA1 recombinant protein
Product Synonym Gene Name	fusA1
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	77,146 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 Q21M89
Species	Saccharophagus degradans (strain 2-40 / 43961 / DSM 17024)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fusA1 recombinant protein	MBS1455040 is a recombinant protein targeting fusA1. Also known as Recombinant Saccharophagus degradans Elongation factor G 1 (fusA1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fusA1 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 fusA1. It may not necessarily be applicable to this product.

NCBI GI #	499786677
NCBI Accession #	WP_011467411.1
UniProt Primary Accession #	Q21M89
GenBank Nucleotide #	WP_011467411.1
NCBI Official Full Name	elongation factor G
UniProt Protein Name	Elongation factor G 1
Protein Family	Elongation factor
UniProt Gene Name	fusA1
UniProt Synonym Gene Names	EF-G 1

UniProt Comments for fusA1	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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