# Elongation Factor G (fusA) Lactobacillus Salivarius Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Elongation factor G (fusA), Recombinant Protein |
| **Full Product Name** | Recombinant Lactobacillus salivarius Elongation factor G (fusA), partial |
| **Product Gene Name** | fusA recombinant protein |
| **Product Synonym Gene Name** | fusA |
| **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** | 76,861 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 Q1WVA0 |
| **Species** | Lactobacillus salivarius (strain UCC118) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for fusA recombinant protein** | MBS1343924 is a recombinant protein targeting fusA. Also known as Recombinant Lactobacillus salivarius 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.

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| **NCBI GI #** | 499794844 |
| **NCBI Accession #** | WP_011475578.1 |
| **UniProt Primary Accession #** | Q1WVA0 |
| **GenBank Nucleotide #** | WP_011475578.1 |
| **NCBI Official Full Name** | elongation factor G |
| **UniProt Protein Name** | Elongation factor G |
| **Protein Family** | Elongation factor |
| **UniProt Gene Name** | fusA |
| **UniProt Synonym Gene Names** | EF-G |

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| **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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