# Elongation Factor 1-Beta (ef1b) Staphylothermus Marinus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Elongation factor 1-beta (ef1b), Recombinant Protein |
| **Full Product Name** | Recombinant Staphylothermus marinus Elongation factor 1-beta (ef1b) |
| **Product Gene Name** | ef1b recombinant protein |
| **Sequence** | MAKVLVLLKV LPEDINIDLE ELKEKIRKAL PEGYEIKGYD IEPIAFGLKA LRLYIFMPEE TEGGTEPLEN TVMNVEGVSQ VEVEAVHRIT |
| **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** | 10,168 Da |
| **Sequence Positions** | 1-90, 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 A3DMF9 |
| **Species** | Staphylothermus marinus (strain 43588 / DSM 3639 / F1) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for ef1b recombinant protein** | MBS1204313 is a recombinant protein targeting ef1b. Also known as Recombinant Staphylothermus marinus Elongation factor 1-beta (ef1b). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of ef1b 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 ef1b. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 500164394 |
| **NCBI Accession #** | WP_011839010.1 |
| **UniProt Primary Accession #** | A3DMF9 |
| **GenBank Nucleotide #** | WP_011839010.1 |
| **NCBI Official Full Name** | elongation factor 1-beta |
| **UniProt Protein Name** | Elongation factor 1-beta |
| **UniProt Synonym Protein Names** | aEF-1beta |

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|---|---|
| **UniProt Gene Name** | ef1b |
| **UniProt Synonym Gene Names** | EF-1-beta |
| **UniProt Comments for ef1b** | Promotes the exchange of GDP for GTP in EF-1-alpha/GDP, thus allowing the regeneration of EF-1-alpha/GTP that could then be used to form the ternary complex EF-1-alpha/GTP/AAtRNA. |
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