Elongation Factor 1-Beta (ef1b) Sulfolobus Islandicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor 1-beta (ef1b), Recombinant Protein
Full Product Name	Recombinant Sulfolobus islandicus Elongation factor 1-beta (ef1b)
Product Gene Name	ef1b recombinant protein
Sequence	MTDVLVVLKV FPDSDEVNLD NLYTDISNKL PKEYRIIRKE TEPIAFGLNA LILYVQMPEQ TEGGTDNLEE VVNNIQGVSH AEVVGITRLG F
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	10,192 Da
Sequence Positions	1-91, 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 C3MZS5
Species	Sulfolobus islandicus (strain M.16.27)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ef1b recombinant protein	MBS1164617 is a recombinant protein targeting ef1b. Also known as Recombinant Sulfolobus islandicus 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.

NCBI GI #	502109871
NCBI Accession #	WP_012711931.1
UniProt Primary Accession #	C3MZS5
GenBank Nucleotide #	WP_012711931.1
NCBI Official Full Name	elongation factor 1-beta
UniProt Protein Name	Elongation factor 1-beta
UniProt Synonym Protein Names	aEF-1beta

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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