Elongation Factor P (efp) Corynebacterium Glutamicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor P (efp), Recombinant Protein
Full Product Name	Recombinant Corynebacterium glutamicum Elongation factor P (efp)
Product Gene Name	efp recombinant protein
Sequence	MATTADFKNG LVLKNEGKLQ QIIEFQHVKP GKGPAFVRTK LKDVVTGKTI DKTWNAGVKV ETATVDRRDV TYLYNDGTSF IVMDDKTFEQ YELSPDAFGD AGRFLLENMR VQVSFHEGEA LFGELPVSVD LRVEHTDPGL QGDRSTGGTK PATLETGAEI QVPLFIETGN VLKVDTRDGS YLSRVNN
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	20,640 Da
Sequence Positions	1-187, 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 A4QEJ4
Species	Corynebacterium glutamicum (strain R)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for efp recombinant protein	MBS1168763 is a recombinant protein targeting efp. Also known as Recombinant Corynebacterium glutamicum Elongation factor P (efp). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of efp 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 efp. It may not necessarily be applicable to this product.

NCBI GI #	489952666
NCBI Accession #	WP_003855973.1
UniProt Primary Accession #	A4QEJ4
GenBank Nucleotide #	WP_003855973.1
NCBI Official Full Name	MULTISPECIES: elongation factor P
UniProt Protein Name	Elongation factor P
Protein Family	Elongation factor

UniProt Gene Name	efp
UniProt Synonym Gene Names	EF-P
UniProt Comments for efp	Involved in peptide bond synthesis. Stimulates efficient translation and peptide-bond synthesis on native or reconstituted 70S ribosomes in vitro. Probably functions indirectly by altering the affinity of the ribosome for aminoacyl-tRNA, thus increasing their reactivity as acceptors for peptidyl transferase.
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