Elongation Factor P (efp) Bradyrhizobium Japonicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Elongation factor P (efp), Recombinant Protein
Full Product Name	Recombinant Bradyrhizobium japonicum Elongation factor P (efp)
Product Gene Name	efp recombinant protein
Product Synonym Gene Name	efp
Sequence	MRVIASSIRK GNVIEQDGKL YVVVSAENIH PGKGTPVSQI EMRRISDGVK ISERYKTTDQ VEKATIEERN FTFLYEDGDG YHFMNPETYD QVQVSKDVVG DAAAYLQPDM TVKLSTHDVN VVSLALPQRV TLEVVETEPV TKGQTASSSY KPAVLSNGIR TTVPPHIAVG TRIVVMTEDG SYSERAKD
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	20,732 Da
Sequence Positions	1-188, 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 Q89M07
Species	Bradyrhizobium japonicum (strain USDA 110)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for efp recombinant protein	MBS1470938 is a recombinant protein targeting efp. Also known as Recombinant Bradyrhizobium japonicum 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 #	161511099
NCBI GeneID	1052828
NCBI Accession #	NP_771026.2
UniProt Primary Accession #	Q89M07
UniProt Related Accession #	Q89M07
GenBank Nucleotide #	NC_004463.1

NCBI Official Full Name	elongation factor P
NCBI Official Symbol	efp
UniProt Protein Name	Elongation factor P
Protein Family	Elongation factor
UniProt Gene Name	efp
UniProt Synonym Gene Names	EF-P
NCBI Protein Information	elongation factor 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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