Peptide Chain Release Factor 1 (prfA) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptide chain release factor 1 (prfA), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. Peptide chain release factor 1 (prfA)
Product Gene Name	prfA recombinant protein
Product Synonym Gene Name	prfA
Sequence	MASAQLIEQL KNVEATFQEL TVRLADPDVA TDPAELQRIA KARSSLEATV QTFHEWQKLT RELKQTEELL REVASDDPEL EAMARAELEQ LRVRQEQLEE KLTLLLLPRD PNDEKNIMLE IRAGTGGEEA ALWAADLARM YTRYAEKMGW SVRLASLSEG EMGGYKEAIL EIRGDQVYSK LKFEAGVHRV QRVPVTEAQG RVHTSTATVA VMPEVDEVEV VIDPKDIEIK TARSGGAGGQ NVNKVETAVD LLHKPTGIRV FCTEERSQLQ NRQRAMQILR AKLYEMKLQE QQASISSARR MQVGTGSRSE KIRTYNYKDN RVTDHRLNQN FLLEPILEGE LDELIQACIG LYQKELLAEL S
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	40,841 Da
Sequence Positions	1-361, 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 Q2JUK1
Species	Synechococcus sp. (strain JA-3-3Ab) (Cyanobacteria bacterium Yellowstone A-Prime)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for prfA recombinant protein	MBS1325455 is a recombinant protein targeting prfA. Also known as Recombinant Synechococcus sp. Peptide chain release factor 1 (prfA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of prfA 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 prfA. It may not necessarily be applicable to this product.

NCBI GI #	499749557
NCBI Accession #	WP_011430291.1
UniProt Primary Accession #	Q2JUK1
GenBank Nucleotide #	WP_011430291.1

NCBI Official Full Name	MULTISPECIES: peptide chain release factor 1
UniProt Protein Name	Peptide chain release factor 1
Protein Family	Listeriolysin regulatory protein
UniProt Gene Name	prfA
UniProt Synonym Gene Names	RF-1
UniProt Comments for prfA	Peptide chain release factor 1 directs the termination of translation in response to the peptide chain termination codons UAG and UAA.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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