Pyruvate Formate-Lyase-Activating Enzyme (pflA) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pyruvate formate-lyase-activating enzyme (pflA), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Pyruvate formate-lyase-activating enzyme (pflA)
Product Gene Name	pflA recombinant protein
Product Synonym Gene Name	pflA
Sequence	MLKGHLHSVE SLGTVDGPGL RYILFTQGCL LRCLYCHNPD TWKISEPSRE VTVDEMVNEI LPYKPYFDAS GGGVTVSGGE PLLQMPFLEK LFAELKENGV HTCLDTSAGC ANDTKAFQRH FEELQKHTDL ILLDIKHIDN DKHIRLTGKP NTHILNFARK LSDMKQPVWI RHVLVPGYSD DKDDLIKLGE FINSLDNVEK FEILPYHQLG VHKWKTLGIA YELEDVEAPD DEAVKAAYRY VNFKGKIPVE L
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	28,499 Da
Sequence Positions	1-251, 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 Q6GK89
Species	Staphylococcus aureus (strain MRSA252)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pflA recombinant protein	MBS1424505 is a recombinant protein targeting pflA. Also known as Recombinant Staphylococcus aureus Pyruvate formate-lyase-activating enzyme (pflA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pflA 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 pflA. It may not necessarily be applicable to this product.

NCBI GI #	446834401
NCBI Accession #	WP_000911657.1
UniProt Primary Accession #	Q6GK89
GenBank Nucleotide #	WP_000911657.1

NCBI Official Full Name	MULTISPECIES: pyruvate formate-lyase-activating enzyme
UniProt Protein Name	Pyruvate formate-lyase-activating enzyme
Protein Family	Pyruvate formate-lyase 1-activating enzyme
UniProt Gene Name	pflA
UniProt Synonym Gene Names	PFL-activating enzyme
UniProt Comments for pflA	Activation of pyruvate formate-lyase under anaerobic conditions by generation of an organic free radical, using S-adenosylmethionine and reduced flavodoxin as cosubstrates to produce 5'-deoxy-adenosine.
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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