Formate Acetyltransferase (pflB) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Formate acetyltransferase (pflB), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Formate acetyltransferase (pflB), partial
Product Gene Name	pflB recombinant protein
Product Synonym Gene Name	pflB
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	84,862 Da
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 Q6GCQ0
Species	Staphylococcus aureus (strain MSSA476)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pflB recombinant protein	MBS1350233 is a recombinant protein targeting pflB. Also known as Recombinant Staphylococcus aureus Formate acetyltransferase (pflB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pflB 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 pflB. It may not necessarily be applicable to this product.

NCBI GI #	446817404
NCBI Accession #	WP_000894660.1
UniProt Primary Accession #	Q6GCQ0
GenBank Nucleotide #	WP_000894660.1
NCBI Official Full Name	MULTISPECIES: formate acetyltransferase
UniProt Protein Name	Formate acetyltransferase
UniProt Synonym Protein Names	Pyruvate formate-lyase
Protein Family	Formate acetyltransferase
UniProt Gene Name	pflB

UniProt Comments for pflB	MiscellaneousSeveral mechanisms have been proposed based on complexes formed with substrate analogs. After activation by the glycine radical, the cysteine radical, Cys-414, can abstract hydrogen atoms from the other active site cysteine, Cys-413, and from coenzyme A, and it can also transfer hydrogen atoms to product radicals. The other active site cysteine can attack the central carbonyl of pyruvate and covalently bind the product acetyl group ().
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