Heptaprenylglyceryl Phosphate Synthase (pcrB) Listeria Innocua Serovar 6a Recombinant Protein

PRODUCT OVERVIEW

Product Name	Heptaprenylglyceryl phosphate synthase (pcrB), Recombinant Protein
Full Product Name	Recombinant Listeria innocua serovar 6a Heptaprenylglyceryl phosphate synthase (pcrB)
Product Gene Name	pcrB recombinant protein
Product Synonym Gene Name	pcrB
Sequence	MKHLFKLDPA KNLPRNSVTK LIHSGTDGFI IGGTDNLEIE AVENLYELLA ETDLPIFLEV SDESMILPEA EHFLIPVVLN TENSKWTHGL HKELIKELGD FIPWKRITSE GYVILNKDAK VAQLTEAKTD LTDEDIIAYA RLAENIFRLP IFYVEYSGMY GDPEAVRKVS EVLSDTEFWY GGGIRSKEQA AEMAKYADTI IVGNIIYEDL EKALETATIF RKKTV
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	25,470 Da
Sequence Positions	1-225, 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 Q92AP8
Species	Listeria innocua serovar 6a (strain CLIP 11262)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pcrB recombinant protein	MBS1355511 is a recombinant protein targeting pcrB. Also known as Recombinant Listeria innocua serovar 6a Heptaprenylglyceryl phosphate synthase (pcrB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pcrB 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 pcrB. It may not necessarily be applicable to this product.

NCBI GI #	489859189
NCBI Accession #	WP_003762841.1
UniProt Primary Accession #	Q92AP8
GenBank Nucleotide #	WP_003762841.1

NCBI Official Full Name	geranylgeranylglyceryl/heptaprenylglyceryl phosphate synthase
UniProt Protein Name	Heptaprenylglyceryl phosphate synthase
UniProt Synonym Protein Names	Glycerol-1-phosphate heptaprenyltransferase
Protein Family	Heptaprenylglyceryl phosphate synthase
UniProt Gene Name	pcrB
UniProt Synonym Gene Names	HepGP synthase
UniProt Comments for pcrB	Prenyltransferase that catalyzes in vivo the transfer of the heptaprenyl moiety of heptaprenyl pyrophosphate (HepPP; 35 carbon atoms) to the C3 hydroxyl of sn-glycerol-1-phosphate (G1P), producing heptaprenylglyceryl phosphate (HepGP). This reaction is an ether-bond-formation step in the biosynthesis of archaea-type G1P-based membrane lipids found in Bacillales.
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