Phosphoenolpyruvate-Protein Phosphotransferase (ptsI) Listeria Monocytogenes Serovar 1/2a Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoenolpyruvate-protein phosphotransferase (ptsI), Recombinant Protein
Full Product Name	Recombinant Listeria monocytogenes serovar 1/2a Phosphoenolpyruvate-protein phosphotransferase (ptsI), partial
Product Gene Name	ptsI recombinant protein
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	63,212 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 O31149
Species	Listeria monocytogenes serovar 1/2a (strain BAA-679 / EGD-e)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ptsI recombinant protein	MBS1230170 is a recombinant protein targeting ptsI. Also known as Recombinant Listeria monocytogenes serovar 1/2a Phosphoenolpyruvate-protein phosphotransferase (ptsI), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ptsI 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 ptsI. It may not necessarily be applicable to this product.

NCBI GI #	16803043
NCBI GeneID	986170
NCBI Accession #	NP_464528.1
UniProt Primary Accession #	O31149
UniProt Related Accession #	O31149
GenBank Nucleotide #	NC_003210.1
NCBI Official Full Name	phosphotransferase system enzyme I
NCBI Official Symbol	lmo1003
UniProt Protein Name	Phosphoenolpyruvate-protein phosphotransferase

UniProt Synonym Protein Names	Phosphotransferase system, enzyme I
Protein Family	Phosphoenolpyruvate-protein phosphotransferase
UniProt Gene Name	ptsI
NCBI Protein Information	phosphotransferase system enzyme I
UniProt Comments for ptsI	General (non sugar-specific) component of the phosphoenolpyruvate-dependent sugar phosphotransferase system (sugar PTS). This major carbohydrate active-transport system catalyzes the phosphorylation of incoming sugar substrates concomitantly with their translocation across the cell membrane. Enzyme I transfers the phosphoryl group from phosphoenolpyruvate (PEP) to the phosphoryl carrier protein (HPr).
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