Phosphocarrier Protein Hpr (ptsH) Chlamydia Muridarum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphocarrier protein HPr (ptsH), Recombinant Protein
Full Product Name	Recombinant Chlamydia muridarum Phosphocarrier protein HPr (ptsH)
Product Gene Name	ptsH recombinant protein
Product Synonym Gene Name	ptsH
Sequence	MSGGDDLVLH NPVEDGELSA IFMIRNPSGI HVRPAGTIVK LFDGEDCEAT FTYLGKTVNA RSVMSILMLG ASYNGEITVR IKGPSASRVM QKLAEVFNSG FGEL
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	11,148 Da
Sequence Positions	1-104, 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 Q9PK56
Species	Chlamydia muridarum (strain MoPn / Nigg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ptsH recombinant protein	MBS1436813 is a recombinant protein targeting ptsH. Also known as Recombinant Chlamydia muridarum Phosphocarrier protein HPr (ptsH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ptsH 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 ptsH. It may not necessarily be applicable to this product.

NCBI GI #	497916843
NCBI Accession #	WP_010230999.1
UniProt Primary Accession #	Q9PK56
GenBank Nucleotide #	WP_010230999.1
NCBI Official Full Name	phosphocarrier protein HPr
UniProt Protein Name	Phosphocarrier protein HPr

UniProt Synonym Protein Names	Histidine-containing protein
Protein Family	Phosphocarrier protein
UniProt Gene Name	ptsH
UniProt Comments for ptsH	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. The phosphoryl group from phosphoenolpyruvate (PEP) is transferred to the phosphoryl carrier protein HPr by enzyme I. Phospho-HPr then transfers it to the PTS EIIA domain.
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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