Hpr Kinase/Phosphorylase (hprK) Chlorobium Limicola Recombinant Protein

PRODUCT OVERVIEW

Product Name	HPr kinase/phosphorylase (hprK), Recombinant Protein
Full Product Name	Recombinant Chlorobium limicola HPr kinase/phosphorylase (hprK)
Product Gene Name	hprK recombinant protein
Sequence	MNFDQKGMKK RSITVAYFFE NIGRNHDIKL RRLNRVDEQK RRISERELHR PGLALAGFTN LFTYKRVQIL GNTETRFLNN HDEAERRKAF ENLVRFKVPC IILTSTNKLQ PELLEMATEA GVPVYATRHS STKAMYLITD FLDDQFSLHQ QYHGSMVDVC GVGVLLTGKS GLGKSEIALD LIERGHGLVA DDVVIIRRKG ESLVLNARRN DIIDHFMEIR GLGVVDVKAN FGIRAIRDIK DVQVVVELLE WNRETDYERL GLDMKSIKIL GVEVPLVQLP IFPGKNIAVI IEVVALNFLL KHYSNYVAAE ALTERIRTSI DKGNEQDDES
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	37,601 Da
Sequence Positions	1-330, 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 B3EH20
Species	Chlorobium limicola (strain DSM 245 / NBRC 103803)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hprK recombinant protein	MBS1230393 is a recombinant protein targeting hprK. Also known as Recombinant Chlorobium limicola HPr kinase/phosphorylase (hprK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hprK 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 hprK. It may not necessarily be applicable to this product.

NCBI GI #	501442132
NCBI Accession #	WP_012465581.1
UniProt Primary Accession #	B3EH20
GenBank Nucleotide #	WP_012465581.1
NCBI Official Full Name	HPr kinase/phosphorylase
UniProt Protein Name	HPr kinase/phosphorylase

UniProt Synonym Protein Names	HPr(Ser) kinase/phosphorylase
Protein Family	HPr kinase/phosphorylase
UniProt Gene Name	hprK
UniProt Synonym Gene Names	HPrK/P
UniProt Comments for hprK	Catalyzes the ATP- as well as the pyrophosphate-dependent phosphorylation of a specific serine residue in HPr, a phosphocarrier protein of the phosphoenolpyruvate-dependent sugar phosphotransferase system (PTS). HprK/P also catalyzes the pyrophosphate-producing, inorganic phosphate-dependent dephosphorylation (phosphorolysis) of seryl-phosphorylated HPr (P-Ser-HPr).
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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