Putative Phosphotransferase Ydia (ydiA) Shigella Boydii Serotype 18 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative phosphotransferase ydiA (ydiA), Recombinant Protein
Full Product Name	Recombinant Shigella boydii serotype 18 Putative phosphotransferase ydiA (ydiA)
Product Gene Name	ydiA recombinant protein
Sequence	MDNAVDRHVF YISDGTAITA EVLGHAVMSQ FPVTISSITL PFVENESRAR AVKDQIDAIY HQTGVRPLVF YSIVLPEIRA IILQSEGFCQ DIVQALVAPL QQEMKLDPTP IAHRTHGLNP NNLNKYDARI AAIDYTLAHD DGISLRNLDQ AQVILLGVSR CGKTPTSLYL AMQFGIRTAN YPFIADDMDN LVLPASLKPL QHKLFGLTID PERLAAIREE RRENSRYASL RQCRMEVAEV EALYRKNQIP WINSTNYSVE EIATKILDIM GLSRRMY
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	31,241 Da
Sequence Positions	1-277, Full length
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 B2U2K8
Species	Shigella boydii serotype 18 (strain CDC 3083-94 / BS512)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ydiA recombinant protein	MBS1252735 is a recombinant protein targeting ydiA. Also known as Recombinant Shigella boydii serotype 18 Putative phosphotransferase ydiA (ydiA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ydiA 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 ydiA. It may not necessarily be applicable to this product.

NCBI GI #	446290196
NCBI Accession #	WP_000368051.1
UniProt Primary Accession #	B2U2K8
GenBank Nucleotide #	WP_000368051.1
NCBI Official Full Name	MULTISPECIES: phosphoenolpyruvate synthase regulatory protein
UniProt Protein Name	Phosphoenolpyruvate synthase regulatory protein

UniProt Synonym Protein Names	Pyruvate, water dikinase regulatory protein
UniProt Gene Name	ppsR
UniProt Synonym Gene Names	PEP synthase regulatory protein; PSRP
UniProt Comments for ydiA	Bifunctional serine/threonine kinase and phosphorylase involved in the regulation of the phosphoenolpyruvate synthase (PEPS) by catalyzing its phosphorylation/dephosphorylation.
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