Probable Inorganic Polyphosphate/ATP-NAD Kinase 1 (ppnK1) Oceanobacillus Iheyensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable inorganic polyphosphate/ATP-NAD kinase 1 (ppnK1), Recombinant Protein
Full Product Name	Recombinant Oceanobacillus iheyensis Probable inorganic polyphosphate/ATP-NAD kinase 1 (ppnK1)
Product Gene Name	ppnK1 recombinant protein
Product Synonym Gene Name	ppnK1
Sequence	MNFKIVSKGD DRSEKIKAMM RQYLSEFGLT YDKETPDLVI SVGGDGTFLE AFHRYVHRLE DTAFIGIHTG HLGFYTDWTP KDVERLIIEI AKTPFQTVEY PLLEVIIRAK AGGKEDRILA LNEAMIKTAD GSSVVFDVEI KGEHFETFRG DGICISTPSG STAYNKALGG AILHPSLEAI QITENASINN RVFRTIGSPL ILPKHHTCFL KPMVDSSFLI QIDHFTKNYQ NVKSIQCRVA KEKVRFARFK QFPFWNRVRD SFVSEEG
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	30,240 Da
Sequence Positions	1-267, 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 Q8ERS9
Species	Oceanobacillus iheyensis (strain DSM 14371 / JCM 11309 / KCTC 3954 / HTE831)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ppnK1 recombinant protein	MBS1414354 is a recombinant protein targeting ppnK1. Also known as Recombinant Oceanobacillus iheyensis Probable inorganic polyphosphate/ATP-NAD kinase 1 (ppnK1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ppnK1 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 ppnK1. It may not necessarily be applicable to this product.

NCBI GI #	499378042
NCBI Accession #	WP_011065620.1
UniProt Primary Accession #	Q8ERS9
GenBank Nucleotide #	WP_011065620.1

NCBI Official Full Name	NAD(+) kinase
UniProt Protein Name	NAD kinase 1
UniProt Synonym Protein Names	ATP-dependent NAD kinase 1
UniProt Gene Name	nadK1
UniProt Comments for ppnK1	Involved in the regulation of the intracellular balance of NAD and NADP, and is a key enzyme in the biosynthesis of NADP. Catalyzes specifically the phosphorylation on 2'-hydroxyl of the adenosine moiety of NAD to yield NADP.
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