Putative Dihydroorotate Dehydrogenase B (NAD (+)), Electron Transfer Subunit (pyrK) Thermotoga Maritima Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative dihydroorotate dehydrogenase B (NAD (+)), electron transfer subunit (pyrK), Recombinant Protein
Full Product Name	Recombinant Thermotoga maritima Putative dihydroorotate dehydrogenase B (NAD (+)), electron transfer subunit (pyrK)
Product Gene Name	pyrK recombinant protein
Product Synonym Gene Name	pyrK
Sequence	MERLLLTKKK TIRVNEDTWI VLFEERIDFS PGQFVMLETP KLVRKPFVLG YWEDHTAISV QVKGKGTKWI VEEAEKIKGH GPLGNGFEKP GKGLLIISPT CLTMAEAFRK KMNVDVLVGS RTPFQIPLDH ETAVGDEEFL SKLSSTGEYD WYLVSGSRGM EKVCWEHLKG KEVYFSLEEY MGCGIGACKS CAVFTKEGVK HVCTDGPIFR GDELCWS
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	24,474 Da
Sequence Positions	1-217, 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 Q9WYG9
Species	Thermotoga maritima (strain 43589 / MSB8 / DSM 3109 / JCM 10099)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrK recombinant protein	MBS1423070 is a recombinant protein targeting pyrK. Also known as Recombinant Thermotoga maritima Putative dihydroorotate dehydrogenase B (NAD (+)), electron transfer subunit (pyrK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pyrK 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 pyrK. It may not necessarily be applicable to this product.

NCBI GI #	15643102
NCBI GeneID	897289
NCBI Accession #	NP_228145.1

UniProt Primary Accession #	Q9WYG9
UniProt Related Accession #	Q9WYG9
GenBank Nucleotide #	NC_000853.1
NCBI Official Full Name	dihydroorotate dehydrogenase electron transfer protein
NCBI Official Symbol	TM0334
UniProt Protein Name	Putative dihydroorotate dehydrogenase B (NAD(+)), electron transfer subunit
UniProt Synonym Protein Names	Dihydroorotate oxidase B, electron transfer subunit
Protein Family	Probable dihydroorotate dehydrogenase
UniProt Gene Name	pyrK
NCBI Protein Information	dihydroorotate dehydrogenase electron transfer protein
UniProt Comments for pyrK	Responsible for channeling the electrons from the oxidation of dihydroorotate from the FMN redox center in the PyrD type B subunit to the ultimate electron acceptor NAD+.
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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