Nucleoside Diphosphate Kinase (ndk) Polynucleobacter Necessarius Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nucleoside diphosphate kinase (ndk), Recombinant Protein
Full Product Name	Recombinant Polynucleobacter necessarius Nucleoside diphosphate kinase (ndk)
Product Gene Name	ndk recombinant protein
Sequence	MAIERTLSII KPDAVAKNVI GKIYDRFESA GLKIVASKMA HLSQNEAEQF YGVHKDRPFF KDLVSFMISG PVMIQVLQGE GAIAKNRDLM GATDPKKAEK GTIRADFADS IDANAVHGSD APETAAVEVA FFFPGMNVFN R
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	15,362 Da
Sequence Positions	1-141, 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 B1XU72
Species	Polynucleobacter necessarius (strain STIR1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ndk recombinant protein	MBS1231817 is a recombinant protein targeting ndk. Also known as Recombinant Polynucleobacter necessarius Nucleoside diphosphate kinase (ndk). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ndk 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 ndk. It may not necessarily be applicable to this product.

NCBI GI #	501326031
NCBI Accession #	WP_012357666.1
UniProt Primary Accession #	B1XU72
GenBank Nucleotide #	WP_012357666.1
NCBI Official Full Name	nucleoside-diphosphate kinase
UniProt Protein Name	Nucleoside diphosphate kinase
UniProt Synonym Protein Names	Nucleoside-2-P kinase

Protein Family	Nucleoside diphosphate kinase
UniProt Gene Name	ndk
UniProt Synonym Gene Names	NDK; NDP kinase
UniProt Comments for ndk	Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate.
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