Nucleoside Diphosphate Kinase 1 (NDPK1) Pisum Sativum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nucleoside diphosphate kinase 1 (NDPK1), Recombinant Protein
Full Product Name	Recombinant Pisum sativum Nucleoside diphosphate kinase 1 (NDPK1)
Product Gene Name	NDPK1 recombinant protein
Sequence	MAEQTFIMIK PDGVQRGLVG EIISRFEKKG FYLKGLKFVN VERAFAEKHY ADLSAKPFFS GLVDYIISGP VVAMIWEGKN VVTTGRKIIG ATNPAQSEPG TIRGDFAIDI GRNVIHGSDA VESANKEIAL WFPEGAANWE SSLHSWIYE
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	16,463 Da
Sequence Positions	1-149, 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 P47922
Species	Pisum sativum (Garden pea)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NDPK1 recombinant protein	MBS1258530 is a recombinant protein targeting NDPK1. Also known as Recombinant Pisum sativum Nucleoside diphosphate kinase 1 (NDPK1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NDPK1 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 NDPK1. It may not necessarily be applicable to this product.

NCBI GI #	1346672
NCBI Accession #	P47922.1
UniProt Primary Accession #	P47922
UniProt Secondary Accession #	Q41047
NCBI Official Full Name	Nucleoside diphosphate kinase 1
UniProt Protein Name	Nucleoside diphosphate kinase 1
UniProt Synonym Protein Names	Nucleoside diphosphate kinase I; NDK I; NDP kinase I; NDPK I

UniProt Gene Name	NDPK1
UniProt Synonym Gene Names	NDKN1; NDK I; NDP kinase I; NDPK I
UniProt Comments for NDPK1	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. This NDK is microtubule-associated.
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