Deoxynucleoside Kinase (dnk) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Deoxynucleoside kinase (dnk), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Deoxynucleoside kinase (dnk)
Product Gene Name	dnk recombinant protein
Product Synonym Gene Name	dnk
Sequence	MAEAASCARK GTKYAEGTQP FTVLIEGNIG SGKTTYLNHF EKYKNDICLL TEPVEKWRNV NGVNLLELMY KDPKKWAMPF QSYVTLTMLQ SHTAPTNKKL KIMERSIFSA RYCFVENMRR NGSLEQGMYN TLEEWYKFIE ESIHVQADLI IYLRTSPEVA YERIRQRARS EESCVPLKYL QELHELHEDW LIHQRRPQSC KVLVLDADLN LENIGTEYQR SESSIFDAIS SNQQPSPVLV SPSKRQRVAR
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	29,088 Da
Sequence Positions	1-250, 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 Q9XZT6
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dnk recombinant protein	MBS1436882 is a recombinant protein targeting dnk. Also known as Recombinant Drosophila melanogaster Deoxynucleoside kinase (dnk). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dnk 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 dnk. It may not necessarily be applicable to this product.

NCBI GI #	442619885
NCBI GeneID	42273
NCBI Accession #	NP_001262722.1
UniProt Primary Accession #	Q9XZT6
GenBank Nucleotide #	NM_001275793.1

NCBI Official Full Name	deoxyribonucleoside kinase, isoform B
NCBI Official Synonym Full Names	deoxyribonucleoside kinase
NCBI Official Symbol	dnk
NCBI Official Synonym Symbols	CG5452; Dm-dNK; DM-dNK; DmdNK; DmelCG5452; dNK; DNK
UniProt Protein Name	Deoxynucleoside kinase
UniProt Synonym Protein Names	Deoxyribonucleoside kinase; Dm-dNK; Multispecific deoxynucleoside kinase
Protein Family	Deoxynucleoside-5'-monophosphate kinase
UniProt Gene Name	dnk
UniProt Synonym Gene Names	Dm-dNK
NCBI Protein Information	CG5452 gene product from transcript CG5452-RB
UniProt Comments for dnk	Deoxyribonucleoside kinase that has a broad specificity phosphorylating thymidine, 2'-deoxyriboadenosine, 2'-deoxyribocytidine and 2'-deoxyriboguanosine. Specificity is higher for pyrimidine nucleosides. Several anti-viral and anti-cancer nucleoside analogs are also efficiently phosphorylated.
Research Articles on dnk	**1.** We showed that sensitivity of the osteosarcoma cell line to the nucleoside analogs and the efficiency of bystander cell killing were independent of the subcellular localization of Dm-dNK.
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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