Probable Serine/Threonine-Protein Kinase Nek2 (nek2) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable serine/threonine-protein kinase nek2 (nek2), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum Probable serine/threonine-protein kinase nek2 (nek2)
Product Gene Name	nek2 recombinant protein
Product Synonym Gene Name	nek2
Sequence	MDQYEILGAL GKGSFGVVSK IKRKEDGRVL VWKEICYENM QEKEKQLLVN EVNILQKLKH QNIVRYYDRI IDKPSSRLYI IMEHCSGGDL SQLIKKCRNE RTYMDEEVIW RTLLQILSAL QEIHNRKDGV ILHRDIKPGN LFLDENKNIK LGDFGLAKIL NESLYAHTFV GTPYYMSPEQ IHGLKYNERS DVWSVGCLIY EMATLSPPFE ATNQAQLTSK IQVGRYNPIP SQYSEHLSKV ISLMINVDPK SRPNVNELLG YSFISFKVKE RKLNIYYQGL KQMDEDLKIK EKKLSDIERD LQVKEQHLLL REQQINQREK LLLDKENFET QSRINIMNQQ LQQQQQNQLQ HQISNLSLNC NNSVNSCSSS SNNNTTNSIN TQQQIHIQHN TQQQQQQQQT FQPYQIKRTF TTPLPNFK
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	48,933 Da
Sequence Positions	1-418, 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 Q55BN8
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nek2 recombinant protein	MBS1426852 is a recombinant protein targeting nek2. Also known as Recombinant Dictyostelium discoideum Probable serine/threonine-protein kinase nek2 (nek2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nek2 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 nek2. It may not necessarily be applicable to this product.

NCBI GI #	66826877
NCBI GeneID	8617766
NCBI Accession #	XP_646793.1

UniProt Primary Accession #	Q55BN8
GenBank Nucleotide #	XM_641701.1
NCBI Official Full Name	protein serine/threonine kinase
NCBI Official Symbol	nek2
UniProt Protein Name	Probable serine/threonine-protein kinase nek2
UniProt Synonym Protein Names	Never in mitosis protein A-related protein kinase 2; NimA-related protein kinase 2
Protein Family	Probable serine/threonine-protein kinase
UniProt Gene Name	nek2
NCBI Protein Information	NEK family protein kinase; protein serine/threonine kinase
UniProt Comments for nek2	Involved in centrosome biogenesis. Seems to be required for recruitment of centrosomal material and might be involved in de novo centrosome formation.
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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