NAD (H) Kinase 1 (NADK1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD (H) kinase 1 (NADK1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana NAD (H) kinase 1 (NADK1) , partial
Product Gene Name	NADK1 recombinant protein
Product Synonym Gene Name	NADK1
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	58,245 Da
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 Q56YN3
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NADK1 recombinant protein	MBS1430447 is a recombinant protein targeting NADK1. Also known as Recombinant Arabidopsis thaliana NAD (H) kinase 1 (NADK1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NADK1 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 NADK1. It may not necessarily be applicable to this product.

NCBI GI #	42572503
NCBI GeneID	821659
NCBI Accession #	NP_974347.1
UniProt Primary Accession #	Q56YN3
UniProt Secondary Accession #	Q6TXT3; Q8RX27; Q9LJC5
UniProt Related Accession #	Q56YN3
GenBank Nucleotide #	NM_202618.3
NCBI Official Full Name	NAD kinase 1
NCBI Official Symbol	NADK1

NCBI Official Synonym Symbols	ATNADK-1; NAD kinase 1; NAD KINASE 1
UniProt Protein Name	NAD(H) kinase 1
Protein Family	NAD(H) kinase
UniProt Gene Name	NADK1
UniProt Synonym Gene Names	AtNADK-1
NCBI Protein Information	NAD kinase 1
NCBI Summary for NADK1	Encodes a protein with NAD(H) kinase activity.
UniProt Comments for NADK1	Phosphorylates both NAD+ and NADH, with a twofold preference for NADH. Source of the cellular reductant NADPH which is an important antioxidant factor.
Research Articles on NADK1	**1.** The subcellular distribution of the three NADK isoforms was examined using NADK-green fluorescent protein (GFP) fusion proteins expressed transiently in Arabidopsis suspension-cultured cells.
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