Nicotinamide Riboside Kinase 1 (NRK1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nicotinamide riboside kinase 1 (Nrk1), Recombinant Protein
Full Product Name	Recombinant Rat Nicotinamide riboside kinase 1 (Nrk1)
Product Gene Name	Nrk1 recombinant protein
Product Synonym Gene Name	Nrk1
Sequence	MKTFVIGIGG VTNGGKTTLA KNLQKRLPNC SVISQDDFFK PESEIDIDEN GFLQYDVLEA LNMEKMMSAV SCWMENPGSS AGPAALESAQ GVPILIIEGF LLFNYKPLDT IWNRSYFLTV PYEECKRRRS TRVYEPPDPP GYFDGHVWPM YLKHRQEMNS ITWDIVYLDG TRSEEDLFSQ VYEDVKQELE KQNGL
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	22,321 Da
Sequence Positions	1-195, 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 Q6AY91
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Nrk1 recombinant protein	MBS1469566 is a recombinant protein targeting Nrk1. Also known as Recombinant Rat Nicotinamide riboside kinase 1 (Nrk1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Nrk1 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 Nrk1. It may not necessarily be applicable to this product.

NCBI GI #	66730337
NCBI GeneID	499330
NCBI Accession #	NP_001019463.1
UniProt Primary Accession #	Q6AY91
UniProt Related Accession #	Q6AY91
GenBank Nucleotide #	NM_001024292.1

NCBI Official Full Name	nicotinamide riboside kinase 1
NCBI Official Synonym Full Names	nicotinamide riboside kinase 1
NCBI Official Symbol	Nmrk1
NCBI Official Synonym Symbols	Nrk1
UniProt Protein Name	Nicotinamide riboside kinase 1
UniProt Synonym Protein Names	Nicotinic acid riboside kinase 1 (EC:2.7.1.173
Protein Family	Nicotinamide riboside kinase
UniProt Gene Name	Nmrk1
UniProt Synonym Gene Names	Nrk1; RNK 1
NCBI Protein Information	nicotinamide riboside kinase 1
UniProt Comments for Nrk1	Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN).
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