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Datasheet for ABIN1097191  
**NADK Protein (AA 64-446) (His tag)**

### Overview

Quantity:	50 µg
Target:	NADK
Protein Characteristics:	AA 64-446
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NADK protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human NAD Kinase/NADK (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MSLHGPCPVT TFGPKACVLQ NPQTIMHIQD PASQRLTWNK SPKSVLVIKK MRDASLLQPF KELCTHLMEE NMIVYVEKKV LEDPAIASDE SFGAVKKKFC TFREDYDDIS NQIDFIICLG GDGTLLYASS LFQGSVPPVM AFHLGSLGFL TPFSENFQS QVTQVIEGNA AVVLRSLKV RVVKELRGKK TAVHNGLG EK GSQAAGLDMD VGKQAMQYQV LNEVIDRGP SSYLSNVDVY LDGHLITTVQ GDGVIVSTPT GSTAYAAAAG ASMIHPNVPA IMITPICPHS LSRPIVVA GVLEKIMLSP EARNTAWVSF DGRKRQEIRH GDSISITTSC YPLPSICVRD PVSDWFESLA QCLHWNVRKK QAHFEEEEEE EEEG
Characteristics:	Recombinant Human NAD Kinase/NADK is produced by our E. coli expression system. The target protein is expressed with sequence (Ser64-Gly446) of Human NADK fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

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Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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Target:	NADK
Alternative Name:	NAD Kinase/NADK ( <a href="#">NADK Products</a> )
Sub Type:	Fusionprotein
Background:	<p>NAD Kinase (NADK) is an enzyme that belongs to the NAD Kinase family. It is a widely expressed enzyme, but it is not detected in skeletal muscle. NADK converts Nicotinamide Adenine Dinucleotide (NAD<sup>+</sup>) into NADP<sup>+</sup>, through phosphorylating the NAD<sup>+</sup> coenzyme. NADP<sup>+</sup> is an essential coenzyme in metabolism and provides reducing power to biosynthetic processes such as fatty acid biosynthesis. The structure of the NADK from the archaean <i>Archaeoglobus fulgidus</i> has been determined.</p> <p>Alternative Names: NAD Kinase, Poly(P)/ATP NAD Kinase, NADK</p>
Molecular Weight:	44.4 kDa
UniProt:	<a href="#">O95544</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM TrisHCl, 150 mM NaCl, 1 mM DTT, pH 7.5.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

## Handling

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Storage: -80 °C

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Storage Comment: Store at < -20°C, stable for 6 months after receipt.  
Please minimize freeze-thaw cycles.

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Expiry Date: 6 months