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NADK Protein (His tag)



Overview

Quantity:	50 μg
Target:	NADK
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 Protein (His Tag)
Sequence:	Ser64-Gly446
Characteristics:	Recombinant Human NAD Kinase is produced by our E.coli expression system and the target gene encoding Ser64-Gly446 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NADK
Alternative Name:	NAD Kinase/NADK (NADK Products)
Background:	Background: 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+) into NADP+, through phosphorylating the NAD+

Target Details

	coenzyme. NADP+ 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 Archaeoglobus fulgidus has been determined.
	Synonym: NAD Kinase, Poly(P)/ATP NAD Kinase, NADK
Molecular Weight:	44.4 kDa
UniProt:	095544

Application Details

Restrictions: For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM TrisHCl, 150 mM NaCl, 1 mM DTT, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.