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Datasheet for ABIN2745746

NADK Protein (AA 1-446) (His tag)

Overview

Quantity:	50 µg
Target:	NADK
Protein Characteristics:	AA 1-446
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This NADK protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Human full length NAD kinase (aa 1-446) is fused at the N-terminus to a His-tag.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	Free of any nucleotide converting side-activities.

Target Details

Target:	NADK
Alternative Name:	NAD Kinase (NADK Products)
Background:	NAD kinase catalyzes the transfer of a phosphate group from ATP to NAD ⁺ to generate NADP ⁺ ,

Target Details

which in its reduced form acts as an electron donor for biosynthetic reactions. NADP+ is an essential coenzyme in metabolism and provides reducing power to biosynthetic processes such as fatty acid biosynthesis.

Molecular Weight: ~50kDa (monomer)

UniProt: [O95544](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: >1U/mg protein. One unit is defined as the amount of enzyme that synthesizes 1µmol of NADP per min.

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: Prepare working aliquots by centrifugation and dissolve the pellet in 50 mM TRIS/HCl pH 7.5, 150 mM sodium chloride and 1 mM DTT.

Concentration: Lot specific

Buffer: Ammonium sulphate suspension.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Working aliquots are stable for up to 3 months when stored at -20°C.