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NAD Kinase (catalytic domain), human recombinant protein

NADK; Poly (P)/ATP NAD Kinase; EC 2.7.1.23.
Catalog # PBV11168r

Specification

NAD Kinase (catalytic domain), human recombinant protein - Product info

Primary Accession	O95544
Concentration	1
Calculated MW	~42 kDa (monomer). Human NAD kinase (aa 64-446) is fused at the N-terminus to a His-tag. KDa

NAD Kinase (catalytic domain), human recombinant protein - Additional Info

Gene ID	65220
Gene Symbol	NADK

Other Names
NADK; Poly (P)/ATP NAD Kinase; EC 2.7.1.23.

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	≥ 2U/mg protein. One unit is defined as the amount of enzyme that synthesizes 1 µmol of NADP per min.

Target/Specificity
NAD Kinase (catalytic domain)

Format
Liquid

Storage
-20°C; 1 mg/ml of ammonium sulphate suspension.

NAD Kinase (catalytic domain), human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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NAD Kinase (catalytic domain), human recombinant protein - Images

NAD Kinase (catalytic domain), human recombinant protein - Background

NAD kinase catalyzes the transfer of a phosphate group from ATP to NAD+ to generate NADP+, 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.

NAD Kinase (catalytic domain), human recombinant protein - References

Lerner F.,et al.Biochem. Biophys. Res. Commun. 288:69-74(2001).
Xu X.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
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