

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 Cytometry](#)
- [Cell Culture](#)

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).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.