

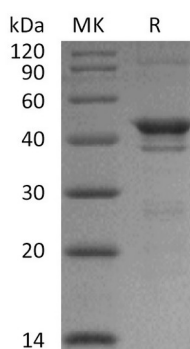
Product Name: Recombinant Human NADK (N-6His)
Catalog #: PEH1188



Summary

Name	NAD kinase/NADK
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH01709.1
Host	E.coli
Species	Human
Predicted Molecular Mass	44.4 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM His-HCl, 5% Sucrose, 10% Glycerol, 150 mM NaCl, 0.02% Tween80, 1 mM DTT, pH3.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤ -70°C, stable for 6 months after receipt. Store at ≤ -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names NAD Kinase; Poly(P)/ATP NAD Kinase; NADK

Background NAD Kinase (NADK) is an enzyme that belongs to the NAD Kinase family. It is a

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widely expressed enzyme, but it is not detected in skeletal muscle. NADK converts Nicotinamide Adenine Dinucleotide (NAD⁺) into NADP⁺, through phosphorylating the NAD⁺ 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.

Note

For Research Use Only , Not for Diagnostic Use.