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℃, stable for 6 months after receipt. Store at ≤ -70℃, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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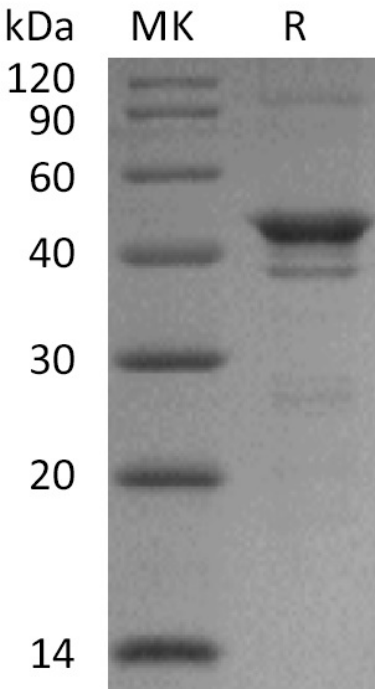

Alternative Names

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 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.