Recombinant Human NAD Kinase/NADK Protein (His Tag)

Catalog Number: PKSH032782

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

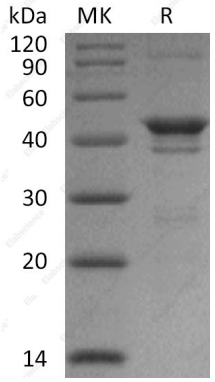
Description

Species	Human
Source	E.coli-derived Human NAD Kinase;NADK protein Ser64-Gly446, with an N-terminal His
Calculated MW	44.4 kDa
Observed MW	49 kDa
Accession	AAH01709.1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C.
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.

Data



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.

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