

32-7248: Recombinant Human NAD Kinase/NADK (N-6His)(Discontinued)

Gene : NADK
Gene ID : 65220
Uniprot ID : O95544

Description

Source: E.coli.
MW :44.4kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 50mM TrisHCl, 150mM NaCl, 1mM DTT, pH 7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHSSGLVPRGSHMSLHGPCPVTTFGPKACVLQNPQTIMHIQDPASQRLTWNKSPKSVLVIKKMR
DASLLQPFKELCTHMEENMIVYVEKKVLEDPAIASDESFGAVKKKCTFREDYDDISNQIDFIICLGGDGTLLYA
SSLFQGSVPPVMAFHLGSLGFLTPFSFENFQSQVTQVIEGNAAVLRSRLKVRVVKELRGKKTAVHNGLGEKGS
QAAGLDMDVGKQAMQYQVLNEVVIDRGPSSYLSNVDVYLDGHLITTVQGDGVIVSTPTGSTAYAAAAGASMIH
PNVPAIMITPICPHLSFRPIVVPAGVELKIMLSPEARNTAWVSFDGRKRQEIRHGDSISITTSCYPLPSICVRDPVS
DWFESLAQCLHWNVRKKQAHFEFFFFFFEEEG

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.