

NAD Kinase from Human, Recombinant

Cat. No. NATE-1283

Lot. No. (See product label)

Introduction

Description 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.

Synonyms NADK; Poly (P)/ATP NAD Kinase; EC 2.7.1.23

Product Information

Species Human

Source E. coli

Appearance Liquid

Form 1 mg/ml of ammonium sulphate suspension.

CAS No. 9032-66-0

Molecular Weight ~50 kDa (monomer). Human full length NAD kinase (aa 1-446) is fused at the N-terminus to a His-tag.

Purity > 95% determined by SDS-PAGE

Activity > 1U/mg

Unit Definition One unit is defined as the amount of enzyme that synthesizes 1 µmol of NADP per min.

Storage and Shipping Information

Storage at -20°C