

## 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<sup>+</sup> to generate NADP<sup>+</sup>, which in its reduced form acts as an electron donor for biosynthetic reactions. NADP<sup>+</sup> 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