

## N-acetylhexosamine 1-kinase from Bifidobacterium longum, Recombinant

Cat. No. NATE-1481

Lot. No. (See product label)

## Introduction

Description N-acetylhexosamine 1-kinase (EC 2.7.1.162, NahK, LnpB, N-acetylgalactosamine/N-acetylglucosamine 1-

kinase) is an enzyme with systematic name ATP:N-acetyl-D-hexosamine 1-phosphotransferase. This enzyme catalyses the following chemical reaction: ATP + N-acetyl-D-hexosamine  $\rightarrow$  ADP + N-acetyl-alpha-D-hexosamine 1-phosphate. This enzyme is involved in the lacto-N-biose I/galacto-N-biose degradation

pathway in the probiotic bacterium Bifidobacterium longum.

**Synonyms** EC 2.7.1.162; NahK; LnpB; N-acetylgalactosamine/N-acetylglucosamine 1-kinase; ATP:N-acetyl-D-

hexosamine 1-phosphotransferase

## **Product Information**

**Species** Bifidobacterium longum

**Source** E. coli

**EC Number** EC 2.7.1.162

Molecular

40 kDa

Weight

**Purity** min 95% by SDS-PAGE

**Unit** One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of GlcNAc-1-P from

**Definition** GlcNAc and ATP per minute at 37 °C.