

## N-acetylglucosamine 6-phosphate deacetylase from Escherichia coli, Recombinant

Cat. No. NATE-1540

Lot. No. (See product label)

### Introduction

**Description** In enzymology, a N-acetylglucosamine-6-phosphate deacetylase (EC 3.5.1.25) is an enzyme that catalyzes the chemical reaction: N-acetyl-D-glucosamine 6-phosphate + H<sub>2</sub>O → D-glucosamine 6-phosphate + acetate. Thus, the two substrates of this enzyme are N-acetyl-D-glucosamine 6-phosphate and H<sub>2</sub>O, whereas its two products are D-glucosamine 6-phosphate and acetate.

**Synonyms** N-acetyl-D-glucosamine-6-phosphate amidohydrolase; acetylglucosamine phosphate deacetylase; acetylaminodeoxyglucosephosphate acetylhydrolase; 2-acetamido-2-deoxy-D-glucose-6-phosphate amidohydrolase; EC 3.5.1.25

### Product Information

<b>Species</b>	Escherichia coli
<b>Source</b>	E. coli
<b>Form</b>	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl <sub>2</sub> , 0.02% sodium azide and 25% (v/v) glycerol
<b>EC Number</b>	EC 3.5.1.25
<b>CAS No.</b>	9027-50-3
<b>Molecular Weight</b>	43.0 kDa
<b>Purity</b>	>90% as judged by SDS-PAGE
<b>Concentration</b>	1 mg/mL
<b>Optimum pH</b>	7.5
<b>Optimum temperature</b>	30 °C
<b>Specificity</b>	GlcNAc6P

### Storage and Shipping Information

**Storage** This enzyme is shipped at room temperature but should be stored at -20 °C.