Creative Enzymes®

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 + H2O → D-glucosamine 6-phosphate + acetate. Thus, the two substrates of this enzyme are N-acetyl-D-glucosamine 6-phosphate and H2O, 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

Species	Escherichia coli
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.5.1.25
CAS No.	9027-50-3
Molecular Weight	43.0 kDa
Purity	>90% as judged by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	7.5
Optimum temperature	30 °C
Specificity	GlcNAc6P

Storage and Shipping Information

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