

## Sugar-phosphatase from Escherichia coli, Recombinant

Cat. No. NATE-1228 Lot. No. (See product label)

IntroductionDescriptionIn enzymology, a sugar-phosphatase (EC 3.1.3.23) is an enzyme that catalyzes the chemical reaction: sugar phosphate and H2O, whereas its two products are sugar and phosphate. This enzyme are sugar phosphate and H2O, whereas its two products are sugar and phosphate. This enzyme belongs to the family of hydrolases, specifically those acting on phosphoric monoester bonds. The systematic name of this enzyme class is sugar-phosphate phosphohydrolase.SynonymsSugar-phosphate phosphohydrolaseProduct InformationEscherichia coli str. K-12 substr. MG1655FormSupplied in 3.2 M ammonium sulphateEC NumberEC 3.1.3.23CAS No.9023-07-8Molecular Weight34233.0 DaSurty95 % as judged by SDS-PAGEActivity7.786 U/mgConcentration45.60 U/mlChargeman Manageman5.5Optimum pH5.5Optimum pH5.5Optimum pHOne unit is defined as the amount of enzyme required to release 1µmol of pNP per minute from pNP- phosphate (15.6 mM) in 78.1 mM sodium acetate buffer, pH 5.5, containing 0.064 mg/mL BSA and 6.25 mM MgCl2, at 40°C, and using an extinction coefficient of 18000 M-1cm-1.		
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## Usage and Packaging

**Preparation**Agitate vial sufficiently to fully homogenise enzyme precipitate before use.**Instructions** 

## Storage and Shipping Information

**Storage** Store at 4°C (shipped at room temperature)