

Nucloside phosphorylase (NP)

Cat. No. NP-30 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

Nucleoside phosphorylase could decompose nucleosides into bases and pentose phosphate. Nucleoside phosphorylase can be divided into purine nucleoside phosphorylase and pyrimidine nucleoside phosphorylase according to the preference of nucleoside bases. Purine nucleoside phosphorylase can metabolize adenosine to adenine, inosine to hypoxanthine, guanosine to guanine, and produce ribose phosphate at the same time. Pyrimidine nucleoside phosphorylase can metabolize uridine to uracil and produce ribose phosphate.

Instructions and Precautions

The following reaction system could be used for reference: 1-10 mg/mL Substrate, 10 mg/mL Enzyme, 100 mM Phosphate buffer (pH7.0) Incubate the reactions at a constant temperature shaker (for example, 30 centigrade, 150 rpm) in for 12~24 hours. Centrifuge each mixture to precipitate protein, then the supernatant can be used for TLC, HPLC or GC analysis.

GENE INFORMATION

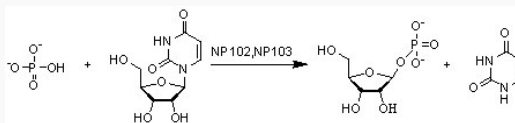
Official Symbol

NP

Synonyms

Nucloside phosphorylase; NP

Reaction type



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