

Native Purine-nucleoside Phosphorylase (PNP) from Microorganism

Product Information

Cat#	BDE-011
Description	Purine nucleoside phosphorylase (PNP) is a key enzyme in the purine salvage pathway, conserved in prokaryotes and eukaryotes. It reversibly catalyzes the phosphorolysis of purine nucleosides to their corresponding base and ribose-1-phosphate, and is commonly used in assays for 5'-nucleotidase (5'-NT) and adenosine deaminase (ADA).
Applications	Used in enzymatic assays for purine metabolism-related indicators; it is often used in conjunction with xanthine oxidase.
CAS No.	9030-21-1
Enzyme Commission Number	EC 2.4.2.1
Form	White amorphous powder, lyophilized
Source	Microorganism
Activity	≥ 80 U/mg-solid; ≥ 190 U/mg-protein
Unit Definition	One unit causes the formation of one micromole of uric acid per minute at pH 7.7 at 37°C.
Molecular Weight	35 kDa (SDS-PAGE)
Optimum pH	8.0-8.5
Optimum temperature	55°C
Storage	Aliquot and store at ≤ -20 °C.