

Thymidine Phosphorylase (EcDeoA)

Product Information

Cat#	DIA-884
Descriptions	Thymidine phosphorylase (EcDeoA) from Escherichia coli mediates the reversible phosphorolysis of thymidine into thymine and 2-deoxyribose-1-phosphate, participates in pyrimidine nucleoside salvage metabolism, and is widely used for nucleoside biotransformation and antiviral drug intermediate synthesis.
Applications	Thymidine phosphorylase (EcDeoA) is suitable for pyrimidine nucleoside metabolism detection kits and antiviral drug intermediate assay reagent development.
CAS No.	124-2-41
Enzyme Commission Number	EC 2.4.2.4
Enzyme Source	E.coli recombinant EcDeoA from Escherichia coli.
Reaction	Phosphate + thymidine = 2-deoxy-alpha-D-ribose 1-phosphate + thymine
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μ mol of thymine from thymidine at 37°C.