

Nucleoside Diphosphate Kinase (EcNDK)

Product Information

Cat#	DIA-782
Descriptions	Nucleoside diphosphate kinase (EcNDK) from Escherichia coli mediates reversible phosphate transfer between nucleoside triphosphates and nucleoside diphosphates, maintains intracellular nucleotide pool homeostasis, and is commonly utilized for nucleotide biosynthesis and nucleoside triphosphate regeneration systems.
Applications	Nucleoside diphosphate kinase (EcNDK) is used for nucleotide metabolism detection kit development and nucleoside triphosphate regeneration system reagent preparation.
CAS No.	127-4-62
Enzyme Commission Number	EC 2.7.4.6
Enzyme Source	E.coli recombinant ECNDK from Escherichia coli (strain K13).
Reaction	2'-deoxyribonucleoside 5'-diphosphate + ATP = 2'-deoxyribonucleoside 5'-triphosphate + ADP
Activity Definition	Enzyme activity is defined as the amount of enzyme required to catalyze the production of 2'-deoxyribonucleoside 5'-triphosphate from 1μM ATP and 2'-deoxyribonucleoside 5'-diphosphate per minute at 37°C.