

Adenylyl-Sulfate Kinase (EcCysC)

Product Information

Cat#	DIA-594
Descriptions	Adenylyl-sulfate kinase from Escherichia coli relies on ATP to complete phosphorylation of adenylyl sulfate and generate key sulfur metabolic intermediates. It takes charge of microbial sulfur assimilation and amino acid synthesis, supporting pathway transformation and synthetic biological modification research.
Applications	Adenylyl-sulfate kinase (EcCysC) is suitable for sulfur metabolism pathway detection kit development and sulfated glycan synthesis related assay reagent preparation.
CAS No.	127-1-25
Enzyme Commission Number	EC 2.7.1.25
Enzyme Source	E.coli recombinant Ec Cys C from Escherichia coli.
Reaction	Adenosine 5'-phosphosulfate + ATP = 3'-phosphoadenylyl sulfate + ADP + H ⁺
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of 3'-phosphoadenylyl sulfate from adenosine 5'-phosphosulfate and ATP at 37°C.