Creative Enzymes
Diagnostic Enzymes

GlcNAc Kinase (EcNagK)

Product Information

Cat#	DIA-721
Descriptions	GlcNAc kinase (EcNagK) from Escherichia coli specifically phosphorylates N-acetylglucosamine at the 6-hydroxyl group to generate N-acetylglucosamine-6-phosphate, participates in microbial amino sugar salvage metabolism, and provides a key intermediate for UDP-GlcNAc biosynthesis pathways.
Applications	GlcNAc kinase (EcNagK) is suitable for amino sugar salvage metabolism detection kits and UDP-GlcNAc biosynthesis pathway assay reagent development.
CAS No.	127-1-59
Enzyme Commission Number	EC 2.7.1.59
Enzyme Source	E.coli recombinant Glc NAc kinase from E.coli.
Reaction	GlcNAc+ATP = GlcNAc-6-P+ADP
Activity Definition	One unit is defineded as the amount of enzyme that consume 1Mumol ATP and GlcNAc to form GlcNAc-6-P and ADP per min at 37°C.

Tel: 1-631-562-8517 1-516-512-3133
Email:info@creative-enzymes.com
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA