

N-Acetylhexosamine kinase (NahK)

Product Information

Cat#	DIA-777
Descriptions	N-acetylhexosamine kinase (NahK) is a microbial-derived sugar kinase with broad substrate tolerance toward various N-acetylhexosamines, and serves as a versatile biocatalyst for enzymatic synthesis of diverse non-natural nucleotide sugars.
Applications	N-acetylhexosamine kinase (NahK) is suitable for non-natural nucleotide sugar synthesis detection kits and customized glycan preparation assay reagent development.
Enzyme Commission Number	EC 2.7.1.162
Enzyme Source	E. coli recombinant N-acetylhexosamine kinase from Bifidobacterium longum.
Synonyms	N-acetylgalactosamine, N-acetylglucosamine 1-kinase
Reaction	Catalyzes the formation of 1 μ mol of GlcNac-1-P from GlcNac and ATP per minute at 37°C
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μ mol of GlcNac-1-P from GlcNac and ATP per minute at 37°C.