

Galactokinase (BiGalk)

Product Information

Cat#	DIA-713
Descriptions	Galactokinase (BiGalk) from Bifidobacterium infantis catalyzes the ATP-dependent phosphorylation of galactose to galactose-1-phosphate, is a key enzyme in the Leloir pathway, and serves as an efficient biocatalyst for activated sugar nucleotide preparation.
Applications	Galactokinase (BiGalk) serves as a biocatalyst for activated sugar nucleotide detection kits and nucleotide sugar synthesis assay reagent development.
CAS No.	9030-53-9
Enzyme Commission Number	EC 2.7.1.6
Enzyme Source	E. coli recombinant galactokinase from Bifidobacterium infantis.
Synonyms	ATP: D-galactose-1-phosphotransferase
Reaction	Catalyzes the formation of 1μmol of Gal-1-P from galactose and ATP per minute at 37°C
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1μmol of Gal-1-P from galactose and ATP per minute at 37°C.