Creative Enzymes
Diagnostic Enzymes

UDP-Sugar Pyrophosphorylase (BIUSP)

Product Information

Cat#	DIA-897
Descriptions	UDP-sugar pyrophosphorylase (BIUSP) from Bifidobacterium longum exhibits broad substrate specificity toward various sugar-1-phosphates, catalyzes the formation of corresponding UDP-sugars, and is a versatile biocatalyst for diversified nucleotide sugar synthesis.
Applications	UDP-sugar pyrophosphorylase (BIUSP) is used for broad-spectrum UDP-sugar synthesis detection kits and diversified nucleotide sugar preparation assay reagent development.
CAS No.	127-7-64
Enzyme Commission Number	EC 2.7.7.64
Enzyme Source	E.coli recombinant UDP-sugar pyrophospho- rylase from Bifidobacterium longum.
Reaction	Gal-1-P + UTP = UDP-Gal + PPi
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 Mumol of UDP-Gal from Gal-1-P and UTP per minute at 37°C.

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