

GlcNAc 1-P Uridyltransferase (PmGlmU)

Product Information

Cat#	DIA-720
Descriptions	GlcNAc 1-P uridyltransferase (PmGlmU) derived from Pasteurella multocida acts as a bifunctional enzyme that catalyzes the conversion of N-acetylglucosamine-1-phosphate and UTP into UDP-N-acetylglucosamine, serves as a core biocatalyst for activated amino sugar nucleotide synthesis, and supports bacterial cell wall metabolism research and glycoengineering applications.
Applications	GlcNAc 1-P uridyltransferase (PmGlmU) is used for activated amino sugar nucleotide detection kits and glycoengineering application assay reagent development.
CAS No.	23-1-157
Enzyme Commission Number	EC 2.3.1.157
Enzyme Source	E.coli recombinant Glc NAc 1-P uridyltransferase From Pasteurella multocida.
Reaction	GlcNAc-1-P + UTP = UDP-GlcNAc + PPi
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 Mumo UDP-GlcNAc from GlcNAc-1-P and UTP per minute at 37°C.