

GDP-mannose Pyrophosphorylase (PH0925-DN350)

Product Information

Cat#	DIA-718
Descriptions	GDP-mannose pyrophosphorylase (PH0925-DN350) catalyzes the reversible conversion between mannose-1-phosphate and GDP-mannose, serves as a core enzyme for activated mannose donor synthesis, and supports large-scale production of GDP-mannose and mannosylated glycans.
Applications	GDP-mannose pyrophosphorylase (PH0925-DN350) is widely applied in GDP-mannose synthesis detection kits and mannosylated glycan production assay reagent development.
CAS No.	127-7-13
Enzyme Commission Number	EC 2.7.7.13
Enzyme Source	E.coli recombinant GDP-mannose pyrophosphorylase from Pyrococcus horikoshii.
Reaction	Man-1-P + GTP = GDP-Man + PPi
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 Mumo GDP-Man from Man-1-P and GTP per minute at 37°C.