

L-Fucokinase/GDP-Fucose Pyrophosphorylase (FKP)

Product Information

Cat#	DIA-758
Descriptions	L-fucokinase/GDP-fucose pyrophosphorylase (FKP) integrates fucokinase and GDP-fucose pyrophosphorylase activities, efficiently converts free L-fucose into GDP-L-fucose, and acts as the core biocatalyst for industrial synthesis of the fucosylation donor.
Applications	L-fucokinase/GDP-fucose pyrophosphorylase (FKP) serves as a core biocatalyst for fucosylation donor synthesis detection kits and industrial fucosylation assay reagent development.
CAS No.	37278-00-5
Enzyme Commission Number	EC 2.7.1.52 (2.7.7.30)
Enzyme Source	E. coli recombinant L-fucokinase/GDP-fucose pyrophosphorylase from Bacteroides fragilis.
Synonyms	ATP: 6-deoxy-L-galactose 1-phosphotransferase. Fucokinase (phosphorylating). Fucose kinase. L-fucokinase. L-fucose kinase.
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1μmol of Fuc-1-P from L-Fuc and ATP per minute at 37°C One unit is defined as the amount of enzyme that catalyzes the formation of 1μmol of Fuc-1-P from L-Fuc and ATP per minute at 37°C; More information: E. coli recombinant L-fucokinase/GDP-fucose pyrophosphorylase from Bacteroides fragilis
Package	2 U, 10 U, 50 U