

UDP-Sugar Pyrophosphorylase (AtUSP)

Product Information

Cat#	DIA-898
Descriptions	UDP-sugar pyrophosphorylase (AtUSP) derived from Arabidopsis thaliana mediates the reversible reaction between sugar-1-phosphate and UDP-sugars, participates in plant cell wall polysaccharide biosynthesis, and supports metabolic engineering of plant carbohydrate metabolism.
Applications	UDP-sugar pyrophosphorylase (AtUSP) serves as a plant derived tool for nucleotide sugar metabolism detection kits and cell wall biosynthesis assay reagent development.
CAS No.	27-7-643
Enzyme Commission Number	EC 2.7.7.64
Enzyme Source	E.coli recombinant UDP-sugar pyrophosphorylase from Arabidopsis thaliana.
Reaction	Gal-1-P + UTP = UDP-Gal + PPi
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of UDP-Gal from Gal-1-P and 1 Mumol UTP per minute at 37°C.