

UDP D-Glucose 4, 6-Dehydratase (ApmUGD)

Product Information

Cat#	DIA-889
Descriptions	UDP D-glucose 4, 6-dehydratase (ApmUGD) catalyzes the conversion of UDP-glucose into UDP-4-keto-6-deoxyglucose via dehydration and oxidation-reduction reactions, is the first key enzyme in deoxysugar nucleotide biosynthesis pathways, and supports the production of rare activated sugar donors.
Applications	UDP D-glucose 4, 6-dehydratase (ApmUGD) is used for deoxysugar nucleotide synthesis detection kits and rare sugar donor preparation assay reagent development.
CAS No.	11-1-221
Enzyme Commission Number	EC 1.1.1.22
Enzyme Source	E.coli recombinant ApmUGD from Arabidopsis thaliana.
Reaction	UDP-D-glucose=UDP-4-Keto-6-deoxy-D-glucose+H ₂ O
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 µmol of UDP-4-Keto-6-deoxy-D-glucose from UDP-D-glucose at 37°C.