

N-Acetylglucosamine-1-Puridyltransferase (AGX1)

Product Information

Cat#	DIA-770
Descriptions	N-acetylglucosamine-1-Puridyltransferase (AGX1) of human origin catalyzes the formation of UDP-N-acetylglucosamine from N-acetylglucosamine-1-phosphate and UTP, supplies activated sugar donors for various glycosylation pathways, and supports cellular glycan biosynthesis.
Applications	N-acetylglucosamine-1-Puridyltransferase (AGX1) is widely applied in UDP-GlcNAc synthesis detection kits and cellular glycosylation pathway assay reagent development.
Enzyme Commission Number	EC 2.3.1.157
Enzyme Source	E. coli recombinant N-acetylglucosamine-1-Puridyltransferase from Homo sapiens.
Synonyms	acetyl-CoA : D-glucosamine-1-phosphate N-acetyltransferase
Reaction	Catalyzes the formation of 1μmol of UDP-GlcNAc from GlcNAc-1-P and UTP per minute at 37°C
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1μmol of UDP-GlcNAc from GlcNAc-1-P and UTP per minute at 37°C.