

Protein O-Glucosyltransferase 1 (POGLUT1)

Product Information

Cat#	DIA-808
Descriptions	Protein O-Glucosyltransferase 1 (POGLUT1) catalyzes O-linked glucose modification of EGF repeat-containing proteins including Notch receptors, modulates protein folding and signal transduction efficiency, and plays critical roles in tissue development and homeostasis.
Applications	Protein O-Glucosyltransferase 1 (POGLUT1) is suitable for EGF domain glycosylation detection kits and protein folding quality assay reagent development.
Enzyme Commission Number	EC 2.4.2.63
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Protein O-Glucosyltransferase 1/POGLUT1 protein.
Reaction	L-seryl-[EGF-like domain protein] + UDP-alpha-D-xylose = 3-O- (beta-D-xylosyl)-L-seryl-[EGF-like domain protein] + H ⁺ + UDP
Activity Definition	Measured by its ability to hydrolyze UDP-Glucose.