Creative Enzymes®

α-1,3-mannosyl-glycoprotein 2-β-N-acetylglucosaminyltransferase

Cat. No. EXWM-2329

Lot. No. (See product label)

Introduction

Description	R represents the remainder of the N-linked oligosaccharide in the glycoprotein acceptor. Note that this enzyme acts before N-acetylglucosaminyltransferases II, III, IV, V and VI (click here for diagram).
Synonyms	N-acetylglucosaminyltransferase I; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I; uridine diphosphoacetylglucosamine-α-1,3-mannosylglycoprotein β-1,2-N-acetylglucosaminyltransferase; UDP-N-acetylglucosaminyl:α-1,3-D-mannoside-β-1,2-N-acetylglucosaminyltransferase I; UDP-N-acetylglucosaminyl:α-3-D-mannoside β-1,2-N-acetylglucosaminyltransferase I; α-1,3-mannosyl-glycoprotein β-1,2-N-acetylglucosaminyltransferase; GnTI

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.101
CAS No.	102576-81-8
Reaction	UDP-N-acetyl-D-glucosamine + 3-(α-D-mannosyl)-β-D-mannosyl-R = UDP + 3-(2-[N-acetyl-β-D-glucosaminyl]-α-D-mannosyl)-β-D-mannosyl-R
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.