Creative Enzymes®

α-1,3-mannosyl-glycoprotein 4-β-N-acetylglucosaminyltransferase

Cat. No. EXWM-2371

Lot. No. (See product label)

Introduction

Description	R represents the remainder of the N-linked oligosaccharide in the glycoprotein acceptor (click here for diagram). The best acceptor for this enzyme is probably the same as that favoured by EC 2.4.1.144, β-1,4-mannosyl-glycoprotein 4-β-N-acetylglucosaminyltransferase.
Synonyms	N-acetylglucosaminyltransferase IV; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IV; β-acetylglucosaminyltransferase IV; uridine diphosphoacetylglucosamine-glycopeptide β4-acetylglucosaminyltransferase IV; α-1,3-mannosylglycoprotein β-1,4-N-acetylglucosaminyltransferase; GnTIV

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.145
CAS No.	86498-16-0
Reaction	UDP-N-acetyl-D-glucosamine + 3-(2-[N-acetyl-β-D-glucosaminyl]-α-D-mannosyl)-β-D-mannosyl-R = UDP + 3-(2,4-bis[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 ℃.