

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 $\text{UDP-N-acetyl-D-glucosamine} + 3\text{-}(2\text{-}[\text{N-acetyl-}\beta\text{-D-glucosaminyl}]\text{-}\alpha\text{-D-mannosyl})\text{-}\beta\text{-D-mannosyl-R} = \text{UDP} + 3\text{-}(2,4\text{-bis}[\text{N-acetyl-}\beta\text{-D-glucosaminyl}]\text{-}\alpha\text{-D-mannosyl})\text{-}\beta\text{-D-mannosyl-R}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.