

## $\alpha$ -1,3-mannosyl-glycoprotein 2- $\beta$ -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- $\alpha$ -1,3-mannosylglycoprotein  $\beta$ -1,2-N-acetylglucosaminyltransferase; UDP-N-acetylglucosaminyl: $\alpha$ -1,3-D-mannoside- $\beta$ -1,2-N-acetylglucosaminyltransferase I; UDP-N-acetylglucosaminyl: $\alpha$ -3-D-mannoside  $\beta$ -1,2-N-acetylglucosaminyltransferase I;  $\alpha$ -1,3-mannosyl-glycoprotein  $\beta$ -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-( $\alpha$ -D-mannosyl)- $\beta$ -D-mannosyl-R = UDP + 3-(2-[N-acetyl- $\beta$ -D-glucosaminyl]- $\alpha$ -D-mannosyl)- $\beta$ -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.