

## UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminyltransferase

Cat. No. EXWM-2379

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the methanogenic archaeon *Methanococcus voltae*, initiates N-linked glycosylation in that organism. The enzyme differs from the eukaryotic enzyme, which leaves one additional phosphate group on the dolichyl product (cf. EC 2.7.8.15, UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminephosphotransferase).

#### Synonyms

aglK (gene name); dolichyl-phosphate  $\alpha$ -N-acetylglucosaminyltransferase; UDP-N-acetyl-D-glucosamine:dolichyl-phosphate  $\alpha$ -N-acetyl-D-glucosaminyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.153

#### CAS No.

63363-73-5

#### Reaction

UDP-N-acetyl- $\alpha$ -D-glucosamine + dolichyl phosphate = UDP + dolichyl N-acetyl- $\alpha$ -D-glucosaminyl phosphate

#### 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.