

acetylgalactosaminyl-O-glycosyl-glycoprotein β -1,3-N-acetylglucosaminyltransferase

Cat. No. EXWM-2373

Lot. No. (See product label)

Introduction

Description

The product of the enzyme is known as core 3, one of the eight core structures of mucin-type O-glycans. O-Linked glycans are polysaccharides or oligosaccharides that are linked to a protein via the oxygen atom in the side chain of an L-serine or L-threonine residue.

Synonyms

O-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase III; uridine diphosphoacetylglucosamine-mucin $\beta(1\rightarrow3)$ -acetylglucosaminyltransferase; mucin core 3 $\beta3$ -GlcNAc-transferase; Core 3 β -GlcNAc-transferase; UDP-N-acetyl-D-glucosamine:O-glycosyl-glycoprotein (N-acetyl-D-glucosamine to N-acetyl-D-galactosaminyl-R) β -1,3-N-acetyl-D-glucosaminyltransferase; UDP-N-acetyl-D-glucosamine:N-acetyl- β -D-galactosaminyl-R 3- β -N-acetyl-D-glucosaminyltransferase (incorrect)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.147

CAS No.

87927-96-6

Reaction

UDP-N-acetyl- α -D-glucosamine + O3-[N-acetyl- α -D-galactosaminyl]-L-threonyl/L-seryl-[protein] = UDP + O3-[N-acetyl- β -D-glucosaminyl-(1 \rightarrow 3)-N-acetyl- α -D-galactosaminyl]-L-threonyl/L-seryl-[protein]

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.