Creative Enzymes®

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 β(1→3)-acetylglucosaminyltransferase; mucin core 3 β3-GlcNAc-transferase; Core 3β-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→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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.