

α -1,3-N-acetyl-galactosaminyltransferase from *Helicobacter mustelae*, Recombinant

Cat. No. NATE-1477

Lot. No. (See product label)

Introduction

Description

In enzymology, a glycoprotein-fucosylgalactoside α -N-acetylgalactosaminyltransferase (EC 2.4.1.40) is an enzyme that catalyzes the chemical reaction: UDP-N-acetyl-D-galactosamine + glycoprotein- α -L-fucosyl-(1,2)-D-galactose \rightarrow UDP + glycoprotein-N-acetyl- α -D-galactosaminyl-(1,3)-[α -L-fucosyl- (1,2)]-D-galactose. Thus, the two substrates of this enzyme are UDP-N-acetyl-D-galactosamine and glycoprotein- α -L-fucosyl-(1,2)-D-galactose, whereas its 3 products are UDP, [[glycoprotein-N-acetyl- α -D-galactosaminyl-(1,3)-[α -L-fucosyl-]], and [[(1,2)]-D-galactose]].

Synonyms

UDP-N-acetyl-D-galactosamine:glycoprotein- α -L-fucosyl-(1,2)-D-galactose 3-N-acetyl-D-galactosaminyltransferase; A-transferase; histo-blood group A glycosyltransferase; (Fuc α 1 \rightarrow 2Gal α 1 \rightarrow 3-N-acetylgalactosaminyltransferase); UDP-GalNAc:Fuc α 1 \rightarrow 2Gal α 1 \rightarrow 3-N-acetylgalactosaminyltransferase; α -3-N-acetylgalactosaminyltransferase; blood-group substance α -acetyltransferase; blood-group substance A-dependent acetylgalactosaminyltransferase; fucosylgalactose acetylgalactosaminyltransferase; histo-blood group A acetylgalactosaminyltransferase; histo-blood group A transferase; UDP-N-acetyl-D-galactosamine: α -L-fucosyl-1,2-D-galactose; 3-N-acetyl-D-galactosaminyltransferase

Product Information

Species	Helicobacter mustelae
Source	E. coli
EC Number	EC 2.4.1.40
CAS No.	9067-69-0
Molecular Weight	37 kDa
Purity	min 95% by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μ mol of GalNAc α 1,3(Fuc α 1,2)Gal from Fuc α 1,2Gal per minute at 37 °C.