

glycoprotein 6- α -L-fucosyltransferase

Cat. No. EXWM-2611

Lot. No. (See product label)

Introduction

Description

This enzyme catalyses a reaction similar to that of EC 2.4.1.214, glycoprotein 3- α -L-fucosyltransferase, but transfers the L-fucosyl group from GDP- β -L-fucose to form an α 1,6-linkage rather than an α 1,3-linkage.

Synonyms

GDP-fucose-glycoprotein fucosyltransferase; GDP-L-Fuc:N-acetyl- β -D-glucosaminide α 1 \rightarrow 6fucosyltransferase; GDP-L-fucose-glycoprotein fucosyltransferase; glycoprotein fucosyltransferase; guanosine diphosphofucose-glycoprotein fucosyltransferase; GDP-L-fucose:glycoprotein (L-fucose to asparagine-linked N-acetylglucosamine of 4-N-{N-acetyl- β -D-glucosaminyl-(1 \rightarrow 2)- α -D-mannosyl-(1 \rightarrow 3)-[N-acetyl- β -D-glucosaminyl-(1 \rightarrow 2)- α -D-mannosyl-(1 \rightarrow 6)]- β -D-mannosyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl}asparagine) 6- α -L-fucosyltransferase; FucT; GDP-L-fucose:glycoprotein (L-fucose to asparagine-linked N-acetylglucosamine of N4-{N-acetyl- β -D-glucosaminyl-(1 \rightarrow 2)- α -D-mannosyl-(1 \rightarrow 3)-[N-acetyl- β -D-glucosaminyl-(1 \rightarrow 2)- α -D-mannosyl-(1 \rightarrow 6)]- β -D-mannosyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl}asparagine) 6- α -L-fucosyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.68

CAS No.

9033-08-3

Reaction

GDP- β -L-fucose + N4-{N-acetyl- β -D-glucosaminyl-(1 \rightarrow 2)- α -D-mannosyl-(1 \rightarrow 3)-[N-acetyl- β -D-glucosaminyl-(1 \rightarrow 2)- α -D-mannosyl-(1 \rightarrow 6)]- β -D-mannosyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl}asparagine = GDP + N4-{N-acetyl- β -D-glucosaminyl-(1 \rightarrow 2)- α -D-mannosyl-(1 \rightarrow 3)-[N-acetyl- β -D-glucosaminyl-(1 \rightarrow 2)- α -D-mannosyl-(1 \rightarrow 6)]- β -D-mannosyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl-(1 \rightarrow 4)-[α -L-fucosyl-(1 \rightarrow 6)]-N-acetyl- β -D-glucosaminyl}asparagine

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.