Creative Enzymes®

galactoside 2-α-L-fucosyltransferase

Cat. No. EXWM-2612

Lot. No. (See product label)

Introduction

Description	Free lactose can act as acceptor. Normally acts on a glycoconjugate where R (see reaction) is a glycoprotein or glycolipid. The action on glycolipid was previously listed as EC 2.4.1.89.
Synonyms	blood group H α-2-fucosyltransferase; guanosine diphosphofucose-galactoside 2-L-fucosyltransferase; α-(1→2)-L-fucosyltransferase; α-2-fucosyltransferase; α-2-L-fucosyltransferase; blood-group substance H-dependent fucosyltransferase; guanosine diphosphofucose-glycoprotein 2-α-fucosyltransferase; guanosine diphosphofucose-lactose fucosyltransferase; GDP fucose-lactose fucosyltransferase; guanosine diphospho-L-fucose-lactose fucosyltransferase; guanosine diphosphofucose-β-D-galactosyl-α-2-L-fucosyltransferase; guanosine diphosphofucose-galactosylacetylglucosaminylgalactosylglucosylceramide α-L-fucosyltransferase; guanosine diphosphofucose-glycoprotein 2-α-L-fucosyltransferase; H-gene-encoded β-galactoside α1→2fucosyltransferase; secretor-type β-galactoside α1→2fucosyltransferase; β-galactoside α1→2fucosyltransferase; GDP-L-fucose:lactose fucosyltransferase; GDP-β-L-fucose:β-D-galactosyl-R 2-α-L-fucosyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.69
CAS No.	56093-23-3
Reaction	GDP-β-L-fucose + β-D-galactosyl-(1→3)-N-acetyl-β-D-glucosaminyl-(1→3)-β-D-galactosyl-(1→4)-β-D-glucosyl-(1↔1)-ceramide = GDP + α-L-fucosyl-(1→2)-β-D-galactosyl-(1→3)-N-acetyl-β-D-glucosaminyl-(1→3)-β-D-galactosyl-(1→4)-β-D-glucosyl-(1↔1)-ceramide
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 ℃.