Creative Enzymes®

# N-acetylneuraminylgalactosylglucosylceramide β-1,4-N-acetylgalactosaminyltransferase

*Cat. No. EXWM-2390*

*Lot. No.* (See product label)

## Introduction

***Description*** Requires Mn2+. Only substances containing sialic acid residues can act as acceptors; bovine fetuin is the best acceptor tested.

***Synonyms*** uridine diphosphoacetylgalactosamine-acetylneuraminyl(α2→3)galactosyl(β1→4)glucosyl β1→4-acetylgalactosaminyltransferase; UDP-N-acetyl-D-galactosamine:N-acetylneuraminyl-2,3-α-D-galactosyl-1,4-β-D-glucosylceramide β-1,4-N-acetylgalactosaminyltransferase; UDP-N-acetyl-D-galactosamine:N-acetylneuraminyl-(2→3)-α-D-galactosyl-(1→4)-β-D-glucosyl(1↔1)ceramide 4-β-N-acetylgalactosaminyltransferase; UDP-N-acetyl-D-galactosamine:N-acetylneuraminyl-(2→3)-α-D-galactosyl-(1→4)-β-D-glucosyl-(1↔1)-ceramide 4-β-N-acetylgalactosaminyltransferase

## Product Information

***Form*** Liquid or lyophilized powder

***EC Number*** EC 2.4.1.165

***CAS No.*** 109136-50-7

***Reaction*** UDP-N-acetyl-α-D-galactosamine + α-N-acetylneuraminyl-(2→3)-β-D-galactosyl-(1→4)-β-D-glucosyl-(1↔1)-ceramide = UDP + N-acetyl-β-D-galactosaminyl-(1→4)-[α-N-acetylneuraminyl-(2→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 ℃.