



Catalog No.171833
Recombinant beta-galactoside α 2,3-sialyltransferase (EC No. : 2. 4. 99. 4)

Origin	Expressed in <i>E.coli.</i> , recombinant form of α 2,3-sialyltransferase from <i>Photobacterium phosphoreum</i> JT-ISH-467
Physical form	Solution in 20 mM bis-Tris, pH6.0, 70 mM NaCl, 0.3% TritonX-100
Total activity*	0.2U (50uL) *: Beta-galactosidase and Protease activities were not detected. *: Neuraminidase activity was detected slightly. *: Total activity is equivalent to 0.5U (50uL) of CSR#GEJ004.
Mw (kDa)	46kDa
Optimal pH and Temperature(°C)	pH=7.0-8.0, 40.0°C
Storage	-20°C or -80°C
Standard Assay Methods	Sialyltransferase activity was assayed by measuring NeuAc-LacMP transferred from CMP-NeuAc to LacMP as an acceptor substrate. Added 0.625M of NaCl to the reaction mixture. The amount of NeuAc-LacMP was measured with a size exclusion HPLC. CMP-NeuAc + LacMP \longrightarrow NeuAc-LacMP + CMP
Activity definition	One Unit is defined as the amount of enzyme that transfers 1.0 μ mol of NeuAc from CMP-NeuAc to LacMP per minute at 30°C, pH6.0.
Reference	[1] Tsukamoto, H., <i>et al.</i> Glycobiology. 14 , 1124 (2004)

For research use only, Not for diagnostic use.



COSMO BIO CO., LTD.
Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL:<http://www.cosmobio.co.jp> e-mail:export@cosmobio.co.jp

[Outside Japan]Phone:+81-3-5632-9617 [国内連絡先]Phone:03-5632-9610

F A X:+81-3-5632-9618

F A X:03-5632-9619