



CERTIFICATE OF ANALYSIS

PRODUCT NAME: GLYKO® $\alpha(2-3)$ SIALYLTRANSFERASE¹ (recombinant, human, expressed in HEK 293F)

PRODUCT CODE: GKT-S23

LOT NUMBER: 643 001-2

ENZYME FORMULATION: 50 mM MES, 200 mM NaCl (pH 6.4)

ENZYME FILL VOLUME: 25.0 μ l per vial

STORAGE: Store enzyme pack at -20°C. Avoid repeated freeze-thaw cycles of the enzyme as this decreases its efficacy. Dispense working aliquots of the enzyme (50 μ g) after initial thaw if not utilizing entire quantity.

SUGGESTIONS FOR USE: Available on our website at:
www.prozyme.com/products/gkt-s23

COMPONENTS

Product Code & Name	Quantity/Kit	Lot No.
GKT-S23 $\alpha(2-3)$ Sialyltransferase (150 μ g)	1 each	643 001
WS0329 CMP-NANA ² (10 mg ³)	3 each	W160208
WS0346 5x Reaction Buffer for GKT-S23 (1 ml) [1M MES (pH 6.5)]	1 each	W160139

QUALITY CONTROL:

- 1) Enzyme Concentration: 6.0 μ g/ μ l (Specification: 5.5 \pm 0.5 μ g/ μ l)
- 2) Enzyme Activity⁴: Passed (Specification: \geq 80 U/ μ g)

Authorized Signature

- 1 Manufactured by Roche Diagnostics GmbH, Germany.
2 Sialic acid donor for transferase.
3 Determined by absorbance at 280 nm.
4 One unit of $\alpha(2-3)$ Sialyltransferase is defined as the amount of enzyme required to catalyze the release of 1 pmol of CMP from CMP-NANA at pH 7.5 and 37°C at an enzyme concentration of 10 μ g/ml.