



## CERTIFICATE OF ANALYSIS

PRODUCT NAME: GLYKO®  $\beta(1-4)$ -GALACTOSYLTRANSFERASE<sup>1</sup> (recombinant, human, expressed in HEK 293F)

PRODUCT CODE: GKT-GA14

LOT NUMBER: 642 004-1

ENZYME FORMULATION: 50 mM Tris-HCl, 100 mM NaCl (pH 8.4)

ENZYME FILL VOLUME: 10.0  $\mu$ 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 (15  $\mu$ g) after initial thaw if not utilizing entire quantity.

SUGGESTIONS FOR USE: Available on our website at:  
<http://www.prozyme.com/products/gkt-ga14>

### COMPONENTS

Product Code & Name	Quantity/Kit	Lot No.
GKT-GA14 $\beta(1-4)$ -Galactosyltransferase (60 $\mu$ g)	1 each	642 004
WS0324 UDP-Gal <sup>2</sup> (10 mg <sup>3</sup> )	3 each	W180045
WS0325 5x Reaction Buffer for GKT-GA14 (1 ml) [500 mM MES, 50 mM MnCl <sub>2</sub> (pH 6.5)]	1 each	W170286

### QUALITY CONTROL:

- 1) Enzyme Concentration: 6.0  $\mu$ g/  $\mu$ l (Specification: 5.5  $\pm$  0.5  $\mu$ g/ $\mu$ l)
- 2) Enzyme Activity<sup>4</sup>: Passed (Specification:  $\geq$ 60 U/ml)

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Authorized Signature

- 1 Manufactured by Roche Diagnostics GmbH, Germany.  
2 Galactose donor for transferase.  
3 Determined by absorbance at 280 nm.  
4 One unit of  $\beta(1-4)$  Galactosyltransferase is defined as the amount of enzyme required to catalyze the release of 1 mmol of UDP from UPD-Galactose at pH 8.0 and 30°C at an enzyme concentration of ~0.1-0.2 U/ml.