

CERTIFICATE OF ANALYSIS

PRODUCT NAME:	O-GLYCANASE TM (recombinant from <i>Streptococcus pneumoniae</i> expressed in <i>E. coli</i>)	
PRODUCT CODE:	GK80090	
LOT NUMBER:	DG53 047a	
FORMULATION:	A sterile-filtered solution in 20 mM Tris-HCl, 25 mM NaCl (pH 7.5)	
STORAGE:	Store enzyme at 2 - 8°C	
PACK SIZE:	50 mU	
FILL VOLUME:	40 µl	
EXPIRATION:	April 2019	

QUALITY CONTROL

1.	Activity ¹ :	Passed	(Specification: ≥1.25 U/ml)
2.	Specific activity:	51.3 U/mg	
3.	Protease assay ² :	Passed	(Specification: "Not Detectable")
4.	Contaminants ³ :	Passed	(Specification: ≤0.005%)

Authorized Signature

1. One unit is defined as the amount of enzyme required to catalyze the release of 1 μ mole of p-nitrophenol from Gal β (1-3) GalNAc α -pNP per minute at pH 5.5 and 37°C.

- No protease activity was detectable after incubation of the enzyme with 0.2 mg resorufin-labeled casein for ~18 hours at 37°C based on Schickaneder E, Hösel W, von der Eltz H, Geuß U. Casein-resorufin, a new substrate for a highly sensitive protease assay. Fresenius Z. Anal Chem. 1988 330:360.
- 3. The absence of exoglycosidase contaminants was confirmed by extended incubations with the corresponding pNP-glycosides: α -fucosidase, β -fucosidase, α -mannosidase, β -mannosidase, α -N-acetylgalactosaminidase, β -nacetylhexosaminidase, α -galactosidase, β -galactosidase, α -glucosidase, β -glucosidase and β -xylosidase. The product was tested for contaminating sialidase by extended incubation with MU-NANA.

3832 Bay Center Place Hayward, CA 94545-3619 TOLL FREE (800) 457-9444 PHONE (510) 638-6900 FAX (510) 638-6919 E-MAIL info@prozyme.com WEB www.prozyme.com