Active Recombinant B. thetaiotaomicron OGA, His-tagged

Cat. No. OGA-85B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant B. thetaiotaomicron OGA(Gln22-Lys737), fused with an N-terminal Met and 6-His tag, was expressed in E. coli.
Species	B.thetaiotaomicron
Source	E.coli
ProteinLength	22-737 a.a.
Description	Protein O-GlcNAcase (EC 3.2.1.169, OGA, glycoside hydrolase O-GlcNAcase, O-GlcNAcase, BtGH84, O-GlcNAc hydrolase) is an enzyme with system name (protein)-3-O-(N-acetyl-D-glucosaminyl)-L-serine/threonine N-acetylglucosaminyl hydrolase.
Predicted N Terminal	Met
Form	Supplied as a 0.2 μm filtered solution in Tris, NaCl, Brij and Glycerol.
Bio-activity	Measured by its ability to hydrolyze 4-methylumbelliferyl-N-acetyl-beta -D-glucosaminide (4-MU-GlcNAc) The specific activity is >3500 pmol/min/μg.
Molecular Mass	Predicted Molecular Mass:83 kDaSDS-PAGE:66-76 kDa, reducing conditions
Endotoxin	< 1.0 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal

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	Coomassie® Blue stain at 5 g per lane.
Storage	Avoid repeated freeze-thaw cycles.6 months from date of receipt, -20 to -70 ºC as supplied.3 months, -20 to -70 ºC under sterile conditions after opening.

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