Creative Enzymes®

O-Glycosidase from Enterococcus faecalis, Recombinant

Cat. No. NATE-3212

Lot. No. (See product label)

Introduction

Description O-Glycosidase releases unsubstituted Ser-and Thr-linked β-Gal-(1→3)-α-GalNAc (Core 1 type O-glycan) from glycoproteins. Substitutions of the disaccharide core with sialic acid, lactosamine (galactose-N-acetyl glucosamine), or fucose will block hydrolysis and prevent the liberation of the oligosaccharide from the protein. Pretreament with glycolytic enzymes to remove substituent saccharides from the O-glycan may be needed prior to cleavage using O-glycosidase.

Product Information

Species	Enterococcus faecalis
Source	E. coli
Form	Liquid
EC Number	EC 3.2.1.97
CAS No.	9032-92-2
Activity	40,000,000 units/ml
Unit Definition	One unit is defined as the amount of enzyme required to remove 0.68 nmol of O-linked disaccharide from 5 mg of neuraminidase digested, non-denatured fetuin in 1 hour at 37°C in a total reaction volume of 100 µl (1 unit of both O-Glycosidase and PNGase F will remove equivalent molar amounts of O-linked disaccharides and N-linked oligosaccharides, respectively).

Storage and Shipping Information

Storage at -20°C