

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 \rightarrow 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. Pretreatment 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 μ l (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