Product Data Sheet

Product Name: Endo H, Streptomyces picatus
Cat. No.: GF13769

Chemical Properties

Cas. No.	37278-88-9		
Formula		M.Wt	
Solubility		Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Protocol

Instructions for Use:

1) Add 10 µg of RNase B to 1 µL of 500 mM sodium acetate (pH 7.5), and bring the volume to 10 µL

with deionized water;

2) Add 1-2 μL of EndoH and gently mix by pipetting;

3) Incubate at 37°C for 1 h;

4) Analyze using SDS-PAGE or mass spectrometry.

Note: Incubation time or enzyme dosage needs to be optimized based on actual conditions.

Background

Endo H, Streptomyces picatus (Endo-β-N-acetylglucosaminidase H), isolated from Streptomyces plicatus, hydrolyzes the central glycosidic bond of the β1, 4-di-N-acetylchitobiose core in asparagine-linked oligosaccharides[1].

References:
[1]. V Rao, et al. Crystal structure of endo-beta-N-acetylglucosaminidase H at 1.9 A resolution: active-site geometry and substrate recognition. Structure. 1995 May 15;3(5):449-57.