

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

Caution: Product has not been fully validated for medical applications. For research use only.

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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 plicatus* (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 Å resolution: active-site geometry and substrate recognition. *Structure*. 1995 May 15;3(5):449-57.

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