Yinjia Biosciences(Shanghai) Co.,Ltd
Tel:021-52992719
Email:product@yinjiabio.com
http://www.yinjiabio.com

Recombinant Endo H

Product information

Product No.	Size	Concentration
YJ-O-095-3	3KU	>150U/μl
YJ-O-095-15	15KU	>150U/μl

Product description

Endo-β-N-acetylglucosaminidase H (Endo H) is a recombinant glycosidase that can cleave the chitobiose core structure of high-mannose and certain hybrid-type oligosaccharides in N-glycoproteins, removing N-linked high-mannose from glycoproteins. This product is derived from *Streptomyces plicatus* and is recombinantly expressed in *E. coli*. It has no additional endo- and exo-glycosidase activities and can be used for the complete deglycosylation of antibodies or other glycoproteins.

- Unit definition: One unit (U) is defined as the amount of the enzyme required to remove more than 95% of the carbohydrates from 10 μg of denatured RNase B at 37 °C for 60 minutes.
- Storage solution: 20mM Tris-HCl，50mM NaCl，5mM EDTA，pH 7.5

Product components

Components	Size1	Size2
Recombinant Endo H	3KU	15KU
10× Endo H reaction buffer	500μl	500μl
10× glycoprotein denaturation buffer	500μl	500μl

Transportation and storage

- Storage：This product should be stored at -20°C and can be stored for at least 12 months.
- Transportation：Dry ice.

Product application

- Complete removal of N-linked hypermannose of antibodies or other glycoproteins.

Usage (for reference only)

- Dissolve 1-10 μg of glycoprotein in deionized water. Add 1 μl of 10× glycoprotein denaturation buffer and adjust the volume to 10 μl with deionized water.
- Incubate at 100 °C for 10 min.
- Prepare the following reaction system:

Yinjia Biosciences(Shanghai) Co.,Ltd
Tel:021-52992719
Email:product@yinjiabio.com
http://www.yinjiabio.com

Components	Amount
Denatured glycoprotein	10 μl
10×Endo H reaction buffer	2 μl
Recombinant Endo H	2-4 μl
Water	Up to 20μl

- Incubate at 37 °C for 60 minutes. After the reaction is completed, perform SDS - PAGE or HPLC to analyze the results of enzymatic digestion.

Precaution

- Try to avoid freeze-thaw cycles of this product after receipt;
- Please wear lab coat and disposable gloves when using;
- This product should not be used directly for clinical diagnosis and treatment.