



# Endo S

## Product description

Endo S, is a highly specific glycosidase derived from *Streptococcus pyogenes*. It can cut the N-linked glycans between the core structure of the shell di-saccharides of wild-type IgG heavy chains. This product has a purity of over 95%, high activity, good stability, no glycosidase contamination, and no proteolytic activity. For easy subsequent operations, it is equipped with a histidine (His) tag, which makes it easy to remove from the reaction.

## Components

Components No.	Name	20413ES80	20413ES90
20413-A	Endo S	1000 U	5×1000 U
20413-B	10×Buffer	1 mL	5×1 mL

## Properties

English synonym	Endo S
Source	<i>E.coli</i> recombinant expression
Purity	Detected by SDS-PAGE, purity > 95%
Storage buffer	PBS pH 7.5
Specific activity	8,000 U/mg
Unit Definition	The definition of a unit is that under a total reaction volume of 10 μL, at 37 °C for 1 hour, 95% of the N-linked glycans in 5 μg of natural mouse IgG can be removed.

## Storage

The product can be stored at -15~-25°C for one year.

## Instructions

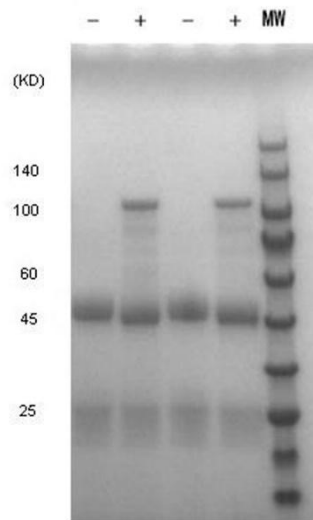
### Reaction system

Components	Volume
IgG	V
Endo S	1
10×Buffer	1
H <sub>2</sub> O	to 10



Note: After incubation at 37 °C for 1 hour, electrophoresis detection, load 2-3 µg of samples. The control group is the original protein.

### Experimental Example



Electrophoresis of IgG under Endo S enzyme conditions

Lane -: Control, without Endo S enzyme; Lane +: With Endo S enzyme.

### Notes

1. Please wear the necessary PPE, such lab coat and gloves, to ensure your health and safety!
2. For research use only!