

Active Recombinant EndoS enzyme

Cat. No. EndoS-10S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant enzyme with no detectable exooglycosidase or other endoglycosidases contaminating activities.
Description	Endo S is an endoglycosidase specific for cleaving the N-linked glycans from the chitobiose core of the heavy chain of native IgG
Bio-activity	5 µg of IgG in 1×GlycoBuffer 1 are incubated with two-fold dilutions of Endo S for 1 hour at 37 centigrade. Separation of reaction products is visualized by SDS-PAGE.
Molecular Mass	136 kDa
Purity	≥ 95 % purity, as determined by SDS-PAGE and intact ESI-MS
Unit Definition	One unit is defined as the amount of enzyme required to remove > 95 % of the carbohydrate from 5 µg of native mouse monoclonal IgG in 1 hour at 37 centigrade in a total reaction volume of 10 µL.
Applications	Glycerol-free for optimal performance in HPLC and mass spectrometry analysis
Usage	1 × GlycoBuffer 1 (5 mM CaCl ₂ , 50 mM sodium acetate, pH 5.5 at 25 centigrade), Incubate at 37 centigrade.
Notes	Removal of Endo S from the deglycosylation reaction can be scaled up linearly with larger volumes of chitin magnetic beads. The binding capacity of Chitin Magnetic Beads is 1 mg of CBD-tagged protein/mL of

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beads.

Stability

Optimal activity and stability for up to 12 months

Storage

Recommended storage temperature is 4 centigrade, avoid repeat freeze-thaw cycles.

Storage Buffer

20 mM Tris-HCl, 50 mM NaCl, 5 mM EDTA, pH 7.5 at 25 centigrade.

GENE INFORMATION**Official Symbol**

EndoS

Synonyms

EndoS

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