

## Endoglycosidase S from Streptococcus pyogenes, Recombinant

Cat. No. NATE-1603

Lot. No. (See product label)

### Introduction

**Description** Endoglycosidase S is specific for N-glycans attached on the Fc domain of IgGs. The N-glycan is cleaved after the first Glc-Nac. Reaction is mild and runs fast under physiological conditions without the need for co-factors or detergent. The enzyme only hydrolyze glycans from the Fc-domain of IgGs even if other glycosylated proteins are present in solution.

**Synonyms** Endoglycosidase S; IgZERO

### Product Information

**Species** Streptococcus pyogenes

**Source** E.coli

**Appearance** White to light yellow powder

**Form** Lyophilized powder with no preservatives added

**Molecular Weight** 110 kDa

**Purity** > 95% homogeneity as determined by SDS-PAGE analysis.

**Optimum pH** 6.5-7.5

**Buffer** Cleavage buffer at pH 7.4 and at 37°C yields optimal enzyme activity. Many buffers at pH between 6-8 can be used but reaction conditions should be tested on a small amount before employing the enzyme at full scale.

**Unit Definition** One unit digests > 95% of 1µg IgG when incubated in 10 mM sodium phosphate, 150 mM NaCl, pH 7.4 at 37°C for 30min.

### Storage and Shipping Information

**Storage** at -20°C

**Stability** The enzyme is reconstituted by addition of water and after reconstitution it is stable for 1 month at +4-8°C. The enzyme can be aliquoted and stored at -20°C for at least 6 months. The product is shipped at ambient temperature but should be stored at -20°C upon arrival.