

## Endoglycosidase S2 from Streptococcus pyogenes, Recombinant

Cat. No. NATE-1604

Lot. No. (See product label)

### Introduction

**Description** EndoS2 is an endoglycosidase which hydrolyzes N-glycan moieties on the Fc-part of IgGs including high mannose and bisected glycans. It has high specificity for human IgGs from all subclasses and many other species. It has also been reported to hydrolyze glycan moieties from alpha-1-acid glycoprotein. The enzyme can be an effective tool by minimizing side effects in various immunoassays caused by complement binding or cross-reactivity. Rapid and mild reaction conditions ensure minimized risk for sample prep-induced modifications.

**Synonyms** GlycINATOR; EndoS2

### Product Information

**Species** Streptococcus pyogenes

**Source** E.coli

**Appearance** White to light yellow powder

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

**Optimum pH** 7.0-7.5

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

### Storage and Shipping Information

**Storage** The product is shipped at ambient temperature but should be stored at -20°C upon arrival.

**Stability** 2 years in -20°C. The enzyme is reconstituted by addition of water and after reconstitution it is stable for 1 month at +4-8°C.