

## Blood-group endo- $\beta$ -galactosidase 98A from *Streptococcus pneumoniae*, Recombinant

Cat. No. NATE-1411

Lot. No. (See product label)

### Introduction

**Description** Blood-group-substance endo-1,4-beta-galactosidase (EC 3.2.1.102, endo-beta-galactosidase, blood-group-substance 1,4-beta-D-galactanohydrolase) is an enzyme with systematic name blood-group-substance 4-beta-D-galactanohydrolase.[1][2][3] This enzyme catalyses the following chemical reaction: Endohydrolysis of (1->4)-beta-D-galactosidic linkages in blood group A and B substances. Hydrolyses the 1,4-beta-D-galactosyl linkages adjacent to a 1,3-alpha-D-galactosyl or N-acetylgalactosaminyl residues and a 1,2-alpha-D-fucosyl residue.

**Synonyms** Blood-group-substance endo-1,4-beta-galactosidase; EC 3.2.1.102; endo-beta-galactosidase; blood-group-substance 1,4-beta-D-galactanohydrolase

### Product Information

<b>Species</b>	Streptococcus pneumoniae
<b>Source</b>	E. coli
<b>Form</b>	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl <sub>2</sub> , 0.02% sodium azide and 25% (v/v) glycerol
<b>EC Number</b>	EC 3.2.1.102
<b>CAS No.</b>	52720-51-1
<b>Molecular Weight</b>	69.7 kDa
<b>Purity</b>	>90% by SDS-PAGE
<b>Concentration</b>	1 mg/mL
<b>Optimum pH</b>	7.4
<b>Optimum temperature</b>	37 °C
<b>Specificity</b>	Blood group A/B antigens

### Storage and Shipping Information

**Storage** This enzyme is shipped at room temperature but should be stored at -20 °C.