

Blood-group endo- β -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-acetylgalactosaminy 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

Species

Streptococcus pneumoniae

Source

E. coli

Form

35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl₂, 0.02% sodium azide and 25% (v/v) glycerol

EC Number

EC 3.2.1.102

CAS No.

52720-51-1

Molecular Weight

69.7 kDa

Purity

>90% by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

7.4

Optimum temperature

37 °C

Specificity

Blood group A/B antigens

Storage and Shipping Information

Storage

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