Creative Enzymes®

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-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

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.