Creative Enzymes®

Keratan sulfate Endo-N-acetylglucosaminidase 111A from Bacillus circulans

Cat. No. NATE-1940

Lot. No. (See product label)

Introduction

Description	BcKsh111A (GH111), E.C. number 3.2.1.-, is an endo-β -N-acetylglucosaminidase from Bacillus circulans. Recombinant BcKsh111A (GH111), purified from Escherichia coli, is a single domain family 111 Glycoside Hydrolase (GH111).
Synonyms	endo-β -N-acetylglucosaminidase; single domain family 111 Glycoside Hydrolase; Keratan sulfate Endo-N-acetylglucosaminidase 111A; Keratan sulfate Endo-N-acetylglucosaminidase; GH111

Product Information

Species	Bacillus circulans
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.-
Molecular Weight	69,07 kDa
Purity	>90% as judged by SDS-PAGE
Concentration	0.5 mg/mL
Optimum temperature	55 °C
Specificity	BcKsh111A (GH111) hydrolyses cartilage keratan sulfate and cornea keratan sulfate.

Storage and Shipping Information

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