

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.