Creative Enzymes®

Keratanase II from Bacillus circulans, Recombinant

Cat. No. NATE-1618

Lot. No. (See product label)

Introduction

Description	Keratansae II hydrolyzes 1, 3-beta-glucosaminidic linkages to galactose in keratan sulfate. On cleavage, the enzyme requires the sulfate at 6-0 position of the participating glucosamine, but acts independently of the sulfate at 6-0 position of the galactose linked to the glucosamine.
Applications	Used in the screening and diagnosis of Morquio A syndrome (MPS IVA). Validation of an LC-MS/MS assay for detecting relevant disaccharides from keratan sulfate as a biomarker for Morquio A syndrome.

Product Information

Species	Bacillus circulans
Source	E. coli
Form	Powder
Purity	>90%

Usage and Packaging

Reconstitution	Tap vial gently on bench. Remove crimp cap and stopper. Add 120µl sterile MilliQ water (or equivalent) and swirl gently until clear solution obtained.

Storage and Shipping Information

Storage	Reconstituted protein can be stored at 4°C or in small aliquots at -20°C or below. Avoid repeated freeze-thaw cycles.