Creative Enzymes®

Oligosaccharide reducing-end xylanase 8A from Bifidobacterium adolescentis, Recombinant

Cat. No. NATE-1516

Lot. No. (See product label)

Introduction

Description	Oligosaccharide reducing-end xylanase (EC 3.2.1.156, Rex, reducing end xylose-releasing exo-oligoxylanase) is an enzyme with systematic name beta-D-xylopyranosyl-(1->4)-beta-D-xylopyranose reducing-end xylanase. This enzyme catalyses the following chemical reaction: Hydrolysis of (1->4)-beta-D-xylose residues from the reducing end of oligosaccharides. The enzyme acts rapidly on the beta-anomer of beta-D-xylopyranosyl-(1->4)-beta-D-xylopyranose.
Synonyms	Oligosaccharide reducing-end xylanase; EC 3.2.1.156; Rex; reducing end xylose-releasing exo-oligoxylanase; beta-D-xylopyranosyl-(1->4)-beta-D-xylopyranose reducing-end xylanase

Product Information

Species	Bifidobacterium adolescentis
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 3.2.1.156
CAS No.	879497-03-7
Molecular Weight	45.8 kDa
Purity	>90% as judged by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	6
Optimum temperature	40 °C
Specificity	Wheat flour arabinoxylan and p-nitrophenyl- α-L-arabinofuranoside

Storage and Shipping Information

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