

## 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-oligoxyylanase) 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-oligoxyylanase; 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 CaCl<sub>2</sub>, 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-  $\alpha$ -L-arabinofuranoside

### Storage and Shipping Information

#### Storage

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