

## Oligosaccharide reducing-end xylanase 8A from *Bacillus halodurans*, Recombinant

Cat. No. NATE-1515

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

<b>Species</b>	Bacillus halodurans
<b>Source</b>	E. coli
<b>Form</b>	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
<b>EC Number</b>	EC 3.2.1.156
<b>CAS No.</b>	879497-03-7
<b>Molecular Weight</b>	47.1 kDa
<b>Purity</b>	>90% as judged by SDS-PAGE
<b>Concentration</b>	1 mg/mL
<b>Optimum pH</b>	7.0-7.5
<b>Optimum temperature</b>	40 °C
<b>Specificity</b>	Xylooligosaccharides whose degree of polymerization is greater than or equal to 3

### Storage and Shipping Information

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