

## oligosaccharide reducing-end xylanase

Cat. No. EXWM-3839

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, originally isolated from the bacterium *Bacillus halodurans* C-125, releases the xylose unit at the reducing end of oligosaccharides ending with the structure  $\beta$ -D-xylopyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-xylopyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-xylopyranose, leaving the new reducing end in the  $\alpha$  configuration. It is specific for the  $\beta$  anomers of xylooligosaccharides whose degree of polymerization is equal to or greater than 3. The penultimate residue must be  $\beta$ -D-xylopyranose, but replacing either of the flanking residues with glucose merely slows the rate greatly.

#### Synonyms

Rex; reducing end xylose-releasing exo-oligoxyylanase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.2.1.156

#### CAS No.

879497-03-7

#### Reaction

Hydrolysis of (1 $\rightarrow$ 4)- $\beta$ -D-xylose residues from the reducing end of oligosaccharides

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.