

## Recombinant Enzyme Product Specification Sheet

<b>Cat. No.:</b>	PRO-E0301
<b>LOT:</b>	2008-0301
<b>Activity:</b>	Endo-1,4- $\beta$ -xylanase
<b>Synonyms:</b>	Endo-1,4- $\beta$ -D-xylanase, $\beta$ -D-xylanase
<b>Nomenclature:</b>	Xylanase, GH8
<b>Source organism:</b>	<i>Opiritatus terrae PB90-1</i>
<b>Enzyme Commission No.:</b>	3.2.1.8
<b>Activity:</b>	-
<b>Specific activity:</b>	-
<b>Purity:</b>	-
<b>Form and storage:</b>	-
<b>pH optimum:</b>	-
<b>Temperature optimum:</b>	-
<b>[Protein]:</b>	-
<b>Sequence length:</b>	412 amino acids ( <a href="#">view sequence</a> )
<b>Accession No.:</b>	<a href="#">ACB77586.1</a>
<b>Molecular weight:</b>	48642.8 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
<b>Biological function:</b>	Endohydrolysis of (1 $\rightarrow$ 4)- $\beta$ -D-xylosidic linkages in xylans
<b>Potential application(s):</b>	<a href="#">Biomass conversion</a> , <a href="#">carbohydrate research</a>
<b>Comments:</b>	-
<b>Usage:</b>	-
<b>Assay:</b>	-

**NOTE:** this product is currently under development. If you wish to prioritise the production of this enzyme, please follow [this link](#)

**Primary sequence:**

MRFPFLPLVLGLALGSLSAVAATAAQGAAETGRYRNPFKELLGKSDAEINAKLQAAWQQLFYGDENSQRL  
FYPIAGDMAYVPDINNNDVRSEGLSYGMMIAVQMDRQKEFNQIWKFAKHMYDYDAGPFRGYFAWHTAFDG  
RRLSPGPAPDGEWWMALFFASHRWGDGEGIFNYRKEAQDLLRTMLHKNEEPDRGPITAMFDPVHKQIV  
FVPQGPQAQFTDPSYHLPAYYELWARWAADPADRAFMEEAAKISREHFRTAAHPKTGLMPDYSNFDGTPY  
TARWGNHQDFLYDAWRTLNNPALDYSWWAADPWVVEQSNRVLTFLLSFGSEVPDRFKLDGTPVSTDTNTA  
GLTAMAACAGLAADSVIAKPWVQQLWDMPIPTGRHRYYGLLTMIALLECSGNFKIYGPAK

**Literature:**

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