

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0302
LOT:	2008-0302
Activity:	Endo-1,4- β -xylanase
Synonyms:	Endo-1,4- β -D-xylanase, β -D-xylanase
Nomenclature:	Xylanase, GH10
Source organism:	<i>Opiritatus terrae PB90-1</i>
Enzyme Commission No.:	3.2.1.8
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	445 amino acids (view sequence)
Accession No.:	ACB77587.1
Molecular weight:	51678.7 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Endohydrolysis of (1 \rightarrow 4)- β -D-xylosidic linkages in xylans
Potential application(s):	Biomass conversion , carbohydrate research
Comments:	-
Usage:	-
Assay:	-

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

Primary sequence:

MTFVLRKPNANDCCGARHRADVAGVGDPPGPGSASPATNVSPPRFVAWAAAF AALLVSSLAAPAPRNLF AE
LLGRSDAEITAKIDAGWQQLFYGSDTEERLYYPVDPDLAYLADINNGDVRSEGMSYGMMLAVQIDRRAEF
DRLYRWARKYMLHTDSPRRGYFAWQVSFDGRQIDPGSASDGEEWIATALLLAAERWGS SDAGSFNYLADA
QALLHEMLHKPTEGNITAI FSREEKQVVFAPTLAGSQFTDPSYHLPAFYEVWARHADS PEDRAFWRDATQ
TSRAFFHRAAHPQTGLMPEYAHFDGRPYTGFGAERGDFRYDAWRILANVAFDHAHFAADPWQVEQSNRIL
RFLSSHQPAIPNQFTLDGRPLSTDVNSTGLMAMA AVAGLAAEPELARPFVQFLWDAPI PRGQYRYDGV L
YQLALLQVSGRFQLSFHLLTAPTTSK

Literature:

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