

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0306	
LOT:	2008-0306	
Activity:	Endo-1,4- β -xylanase	
Synonyms:	Endo-1,4- β -D-xylanase, β -D-xylanase	
Nomenclature:	Xylanase, GH10	
Source organism:	<i>Opitutus terrae</i> PB90-1	
Enzyme Commission No.:	3.2.1.8	
Activity:	-	<div style="border: 1px solid black; padding: 10px; width: fit-content;"> <p>NOTE: this product is currently under development. If you wish to prioritise the production of this enzyme, please follow this link</p> </div>
Specific activity:	-	
Purity:	-	
Form and storage:	-	
pH optimum:	-	
Temperature optimum:	-	
[Protein]:	-	
Sequence length:	721 amino acids (view sequence)	
Accession No.:	ACB77881	
Molecular weight:	78754.9 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:	-	

Primary sequence:

MQTFRQILFSLLLGAAPTIVPAATTLPTAPLANGHVKFLGVSYSVSGPQAPNLTSYFNQVTPENAGKWGSVE
GTRDVMNWTELDAAAYALAKANHIPFRFHVLVWGNQQPIWIANLPPAEQLEEIEEWFQAVAARYPAIDYLE
VVNEPINDPPDGIDNTPSNVPADGNMNALGGSGTTGWDWVLTAFRMAKRIFPPTTQLMLNEYSITNDTT
RMNRYIQIVNLLKAENLIDAVGVQAHYFSTRSYSGNLPGTSAQTKANLDLLAATGVPIMVTEMDVDGGAS
TSALDDATQLSEYQRIFFPIFWQHPSVIGITLWGYRTGMWRATAYIVNSDGSERPAMEWLREYLTGAPAV
ATQPASQTVLGGSVSLTMAATGTPAPTLVSWQRNGSTVAGATAATLTLPNVQPADTGIYTGIALGGTAGT
AAAISTPVIIVGISTEQVVGAGEQVGDHVPHPNGNFYDQVLLTGVAEAIKADPDNGEITRTRSFIDADGDI
VQVEFGGPGTSLVLANAGDRAAPEKYNQSNVLYMKGHAGIVITGANENTNVTVFVTVGRATAYDRTGQYN
ILKSPNTTDNNPANNGSPLFVGHENTVYDGIADLAFIAISSTNGRFGGIRAAANANFYAAQGFTGIYAPGV
EFTGPFVFFGDIMAYDKAKPVLLLSASDVRVTGGNMEQINAQPVQVSGVTQLQFKPGSDSHGNTLPAQTN
RGTYRQDGVVTTQIVVNPSN

Literature:

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