

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0320
LOT:	2008-0320
Activity:	β -Xylosidase
Synonyms:	1,4- β -D-Xylan xylohydrolase, endo-1,4- β -xylosidase, xylan 1,4- β -xylosidase, xylobiase
Nomenclature:	Xylosidase, GH54
Source organism:	<i>Opitutus terrae PB90-1</i>
Enzyme Commission No.:	3.2.1.37
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	1102 amino acids (view sequence)
Accession No.:	ACB75541
Molecular weight:	115999.3 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Hydrolysis of (1->4)- β -D-xylans, to remove successive D-xylose residues from the non-reducing termini
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:

MKTKAGFAVLLVAAIALPVATLMFAAQARGAKGAPPRPQGPCDVYAAAAGAPCVGAHSSSTRALYASYNGP
LYQVMRQSDGKTLDIGVVQPSANDAGGYADAAAQDAFCANTYCWITTLTDQSGQGNDLTQAPRGGFSGPA
MGGFNLLPIADMAPVTVMGHKVYGVFIAPGMGLRNNNPKGTAVDDQAEQYVWIDGHHFNSGCCFDYGNA
ETDSRDDGNGTMETTYGTANVWYHGHPPGPWIMTDQENNLVGCVNPDGSKLCVGLPSIDWRFTAIKAG
EPHHWTSLGGDAQRGELAVMFDGPRINATYDPMRKQGAILLGNGGDNSVGSQGTIFYEGAMTAAGTFPSDA
TDQLVQANVVVAGYNLPLTIAPASATPRPPGLQTFTPRSSQETVVTFNTGTAPATDVRLSLDVPSGWT
AAFTGGKAAAATIAGPVGPGASVSATFKVTSPRAAFNGDLVARAAWTDSATGTAKSDARAEKVRNVS PVK
LNEFRISTGSPFNPTDSFIELYNPGDDAIDVSNWTLTHHPAEEPIFSSVQIPAGTKLAPKAFYLLGLANS
GLAVPARKGDTTLYVVRSTDGMKVGDTIEIDTGSGREARKIAQLGTAASAATTLWQPLPEGPVITIPAGST
NVPVTHLSGFAVGEKIALGYGTTTTPAVANNVERYEVVTVTAVGKPGTQAWLSMDAKAGDTNIKVSSVENI
SVGDQIRLDIDTMGHGIE TVTVTRVGTASVRNTFRGPLNADEDPGTGLDLAAPLKFDHASNMPFSVRGTG
ISFEPATAFAHASNEPVQALGTGITLDQPLARDHAINAAVRDAQVTTAGYQQQAPDQWFGGPALFAAEQ
TRPGRTVFAGAMILRDGAGLVVDSLNYGLIVDPWAAEGYQAGGGPAESGVSPTPTRFRPMWVPAGADDP
SNRSVGRFPDGVDTDSNRADFLIQPATSLASGSAAGTANIKVESVREFSRGQTITIDVGPNQEAAVISTV
GTSGGTAMGSASTFGATELVVVDISGFSTGQTIAIDRGANFETAIVASTNRGFPVGFRRGGPRPATITVT
TPLRFAHAAEA AVAGTGITLTTALTRAHASGVPIGSDLPTPGAPNRYRDLK

Literature:

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