

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0215
LOT:	2008-0215
Activity:	Xylan 1,4- β -xylosidase
Synonyms:	Xylobiase; β -xylosidase; exo-1,4- β -xylosidase; β -D-xylopyranosidase; exo-1,4-xylosidase; exo-1,4- β -D-xylosidase; 1,4- β -D-xylan xylohydrolase; 4- β -D-xylan xylohydrolase
Nomenclature:	Xylan 1,4- β -xylosidase GH43
Source organism:	<i>Lactobacillus brevis</i> ATCC 367
Enzyme Commission No.:	3.2.1.37
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	326 amino acids (view sequence)
Accession No.:	ABJ64815
Molecular weight:	39603.3 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/protein, please follow [this link](#)

Primary sequence:

MVQAQDYINPLIVQRADPYIYKHTDGYYYFTASVPAYNLIETIRRAKTLNGLANAAPRTIWRKHPDGSGAMSQLIW
APELHYIDGKWFYFAASHTKEFDHNGMFQHRMYCIECDNPDPMRDEADWTEHGQIETPLDTFALDATVFEAQNK
LYYVWAQKDPAIKGNISNIYIAEMANPWTLKTKPVMLTKPEYDWEWKIFWVNEGPAVLHRNGRFFLTYSASATDEN
YAMGMLTVAEDADLLDPASWSKSETPVFQSNMPIKQFGPGHNSFTVAEDGETDMLVYHCRNYTDIKGDPLYDPNR
HTMVQPFTWNDDGTPNFGKPVYNYK

Literature:

1. [Makarova et al. \(2006\) Proc. Natl. Acad. Sci. U.S.A. 103, 15611-15616](#)