

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0132
LOT:	2008-0132
Activity:	β -Xylosidase
Synonyms:	Xylan 1,4- β -xylosidase, 1,4- β -D-xylan xylohydrolase, exo-1,4- β -xylosidase, xylobiase
Nomenclature:	Xylosidase, GH43
Source organism:	<i>Leuconostoc mesenteroides subsp. mesenteroides</i> ATCC 8293
Enzyme Commission No.:	3.2.1.37
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	552 amino acids (view sequence)
Accession No.:	Q03XW6
Molecular weight:	64539.0 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 (also hydrolyses xylobiose)
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:

MLKIKNPIIPGMAPDPSIIRVENKYYIATSTFHWTPAIQLFESTDLKNWQLIDHVLKKEEISLKGTNTPAGIWAP
HLSYDAHKKRYWIAYSHMLNMAGREFNADSYALWSESIHGWPSEPIYLT SIGFDPSIFHDDDGKKYIAILEWESR
PNYQAPGHIVIAEFNFQKIVGSRVHTTGFTSRGAAEAPIIYKRNGYYLMIAAGGTGYAHGVEIGRSKDIFG
PYESHPSGEPITSSPEHLFSLGDPDAGQFEMYNPNSNIQKSGHGLVETPNGEWYVAHLMSRPLPGTTLNPLGR
ETGIQKVNWTADGWLQADGTNFAKENIDGPQQEEATIKYSEDI TEYFNEPHYDKRFLSPYRFQNKTTWNHLGNT
NYLRIYGGESLFSQMNPSILATRATSFTYSLETEVEIHPDHYSESAGAGLYDANNWLYANLYWSESLNAIALGL
TQAKLGEKKIYQYVKVPI SNGHVQIKFVYNFGEATVFYRMSTDDEWLILLENVDVNYLSDEGVNGEKGEIGGFTG
LFNFIAVTDAAHQHDGDFSYKVTSL

Literature:

1. [Markarova et al. \(2006\) Proc. Natl. Acad. Sci. USA 103, 15611-15616](#)