

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0131
LOT:	2008-0131
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>Bacteroides fragilis</i> NCTC 9343
Enzyme Commission No.:	3.2.1.37
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	313 amino acids (view sequence)
Accession No.:	Q5LG21
Molecular weight:	37502.0 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:

QKKVASHKAASGNPVFQGWYADPEGIIYDDTYWIFPTWSDLYENQTFDFCFSSKDLVNWTKHASVLDTTAVKWAK
KAMWAPSVIRKNGKYYIFFGANDVHEGEIGGIGVAVSDRPEGPYKDLLGKPLINEIVNGAQPIDQFVYNDNGHY
MYYGGWGHCVVQLNDDFTGLVVPFEDGTVYKEVTPENYVEGPFMFKKDGKYYFMWSEGGWGGPDYSVAYAISDSP
FGPFKRVAKILQQDPSVATSAGHHSLLHAPGTDDYYIVYHRRPLNDNARDHRVTCIDKMTFDKDGFINPVKMTFE
GVPAQKIKKSKKK

Literature:

1. [Cerdeno-Tarraga *et al.* \(2005\) *Science* **307**, 1463-1465](#)