

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0345
LOT:	2008-0345
Activity:	α -L-Arabinofuranosidase
Synonyms:	α -N-Arabinofuranosidase, arabinofuranosidase, arabinosidase
Nomenclature:	α -L-Arabinofuranosidase, GH 51
Source organism:	<i>Opitutus terrae</i> PB90-1
Enzyme Commission No.:	3.2.1.55
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	663 amino acids (view sequence)
Accession No.:	ACB73620
Molecular weight:	75235.8 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Hydrolysis of terminal non-reducing α -L-arabinofuranoside residues in α -L-arabinosides
Potential application(s):	Biomass conversion , carbohydrate research
Comments:	Acts on α -L-arabinofuranosides, α -L-arabinans containing (1,3)- and/or (1,5)-linkages, arabinoxylans and arabinogalactans. Some EC 3.2.1.23 and EC 3.2.1.38 enzymes also hydrolyse α -L-arabinosides. Formerly EC 3.2.1.79
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:

MRRIPLSLLLALLTIPAFAVEPRTLTVALDAPSKPISRELFGIFFEDLNAAADGGLYAELLQNRSEYSA
TEQANWGPFSFWDLVKTGDGDGQLGLGDARPVHVNPHYLLLTVLEPGSGVGISNQGFDRIPLVAGQAYE
ASFWAYQAFMGRKWRGTDEEQRKPMPTLRLETS DGRVLAEARVEVSGRTWTRHAVTLTPTQSVDPARFV
LLAHEQGALALDVVSLFPRDTFKGRPNGLRRDLAQT IADLKPRFVRFPGGCLVHGPGIRHYDWDKDSIGP
IEQRRARNSWGYHQTLGLGYLEYFQFCEDLGAIPVPVVTAGVCCQHAGDSPNRGQEGLEEMPGYIQD
VLDLVEWANGPATSPWGAKRAAGGHPAPFGLKYLGVGNEDAITPIFKERFQMIYDVLKERHPEIVVIGTS
GPPFDGEDFDLGWAFARDLKLPMVDEHYRPPQWFWDNLARYDSYDRRGPKVYVGEYAAHDEGRRNLTLS
ALAEAAYLTSLERNGDVVMLASYAPLLSRRGHTQWTPDMIYFDATNVFPSLNHTVQSLFGRFAGDAAVPT
TLARSNKAKLAVSAVRDGRGTGDLIVKIVNGDDTPQPLAVRLDGARKLPATAERTVFGGAPADTANTDDAP
PAVVPHTDTLPLSPGFSDAPANSLTILRIATR

Literature:

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