

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0159
LOT:	2008-0159
Activity:	α -L-Arabinofuranosidase
Synonyms:	α -N-Arabinofuranosidase; arabinofuranosidase; arabinosidase
Nomenclature:	Arabinofuranosidase, GH43
Source organism:	<i>Escherichia coli</i> K12
Enzyme Commission No.:	3.2.1.55
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	536 amino acids (view sequence)
Accession No.:	P77713
Molecular weight:	62851.2 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 (acts on α -L-arabinofuranosides, α -L-arabinans containing (1,3)- and/or (1,5)-linkages, arabinoxylans and arabinogalactans)
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:

MEITNPILTGFNPDPSLCRQGEDYYIATSTFEWFPGVRIYHSRDLKNWSLIVSTPLDRVSMLDMKGNPDSGGIWAP
CLSYADGKFWLLYTDVKIVDSPWKNGRNFLVTAPSIIEGPWSEPIPMGNGGFDP SLFHDDDGRKYIYRPGPRHH
SNPHNTIVLQAFDPQTGTLSPERKTLFTGTPLCYTEGAHLYRHAGWYYLMAAEGGTSYEHAVVVLRSKNIDGPYE
LHPDVTMMTSWHLPENPLQKSGHGSLLOTHTEWYMYLTSRPLRLPGVPLLASGGRGYCP LGRETGIARIEWRD
GWPYVEGGKHAQLTVKGPQVAEQPAAVPGNWRDDFDASSLDPELQTLRI PFDDTLGSLTARPGFLRLYGNDLNS
TFTQSTVARRWQHFAFRAETRMESPVHFQQSAGLTCYYNSKNWSYCFVDYEEGQGRTIKVIQLDHNVP SWPLHE
QPIPVPEHAESVWLRVDVDTLVYRYSYSFDGETWHTVPVTYEAWKLSDDYIGGRGFFTGAFVGLHCEDISGDGCY
ADFDYFTYEPV

Literature:

1. [Blattner *et al.* \(1997\) *Science* **227**, 1453-1474](#)