

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0169
LOT:	2008-0169
Activity:	Arabinanase
Synonyms:	Arabinan endo-1,5- α -L-arabinosidase; endo-1,5- α -L-arabinanase
Nomenclature:	Arabinase, GH43
Source organism:	<i>Streptomyces coelicolor</i> A3(2)
Enzyme Commission No.:	3.2.1.99
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	451 amino acids (view sequence)
Accession No.:	Q93J96
Molecular weight:	51448.4 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Endohydrolysis of (1->5)- α -arabinofuranosidic linkages in (1->5)-arabinans
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:

ESRAHTLAAGTFRNPLNSGPDFMTHWKGAYYLLTTQGGSI RMWRSPSLGTLTLLTADPVTVWTDTPSRNRNIWAP
EFYRFGDRWYLYYTADDGVDDHRLYVLESERDDPTGPHYFTAKLAPPNHADDF AIDAGILQLGGRLYLAYSGIN
QYQHNGINIAPMSNPYTVSGNAVAIDAAGGCPEVREGPEFLYRGGRVWMTYSTCDTGKPDYQVRMMSPLNADPL
VPGNWHQHQGAVFSRADDRGVFGPGHHAFFTSPDGTE DWIVYHAKT TSLNTY TNRTTRAQRFTWRADGTPDFGRP
LALGATQNLPSGDPGSGNYWINDDGRSSGAGSVAYSGAWNSGTGCATQC FWSDDHWS DRAGATATFAFTGTRIAL
LSVKDTGNGYAGISIDGGPEQRVDFHGAIRVGEAVQY TSPRLANGRH TLRIRVTGEHSSQSGASFVSDRAEVYT
D

Literature:

1. Bentley *et al.* (2002) *Nature* **417**, 141-147