

## Recombinant Enzyme Product Specification Sheet

<b>Cat. No.:</b>	PRO-E0209
<b>LOT:</b>	2008-0209
<b>Activity:</b>	$\alpha$ -L-Arabinofuranosidase
<b>Synonyms:</b>	$\alpha$ -N-Arabinofuranosidase; arabinofuranosidase; arabinosidase
<b>Nomenclature:</b>	$\alpha$ -L-Arabinofuranosidase GH51
<b>Source organism:</b>	<i>Streptomyces avermitilis</i> MA-4680
<b>Enzyme Commission No.:</b>	<a href="#">3.2.1.55</a>
<b>Activity:</b>	-
<b>Specific activity:</b>	-
<b>Purity:</b>	-
<b>Form and storage:</b>	-
<b>pH optimum:</b>	-
<b>Temperature optimum:</b>	-
<b>[Protein]:</b>	-
<b>Sequence length:</b>	680 amino acids ( <a href="#">view sequence</a> )
<b>Accession No.:</b>	<a href="#">BAC74467</a>
<b>Molecular weight:</b>	76251.9 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
<b>Biological function:</b>	Hydrolysis of terminal non-reducing $\alpha$ -L-arabinofuranoside residues in $\alpha$ -L-arabinosides
<b>Potential application(s):</b>	<a href="#">Biomass conversion</a> , <a href="#">carbohydrate research</a>
<b>Comments:</b>	-
<b>Usage:</b>	-
<b>Assay:</b>	-
<b>Primary sequence:</b>	

**NOTE:** this product is currently under development. If you wish to prioritise the production of this enzyme/protein, please follow [this link](#)

EDITDYAIAVDPKGS GAKIDDTMYGVFFEDINRAADGGLYAE L VQNR SF EYATADNTSYTPLTSWNTSGTADVVS  
DDGRLNARNRSYLALGGDSSVTNSGYNTGIAVESGKVYDFSVWARADQADPLSVTLHDTDGD LARARRVTVRGGW

AKYTARFTAGRTSTTGRLTVAAAGAVALDMVSLIPHDTYMGHGLRKDLAEKIAALHPGFVRFPPGGCLVNTGSMRG  
YDEASGYERKRSYQWKDTIGPVEQRATNANFWGYNQSYGLGYEYFQFAEDTGAMPLPVVPALVTGCGQNKA  
VDD  
DALLERHIQDTLDLIEFANGPVTSEWGRKRARMGHPEPFHLTHLEVGNEENLPDEFFARFTRFRAAIEAKY  
PDVT  
VISNAGPDDSGPTFDTAWKLNRDADVDMVDEHYNSPQWFLQNNDRYDAYDRNGPKVFLGEYASGGNTFK  
NALAE  
AAYMTGLERNADVVKLASYP LLANEDYVQWRPDMIWFDNHASWGSADYEVQKLFMTNTGDRVVPSTAS  
GTPALS  
GPISGAVGLSTWATTAAYDDVRVTGEDGTTLLGDDFSGDASRWHTHTGGGSWSVEDGQYVQSDVAA  
ENTMVSAGDP  
AWHDYDLRVKATKKSGKEGFLVAFGVKDTGTYTLVAAPDAVNSRTATPVAPVTSVLEGVADRFTYTF  
PANSVTF  
L  
RIRQR

**Literature:**

1. *Omura et al. (2001) Proc. Natl. Acad. Sci. U.S.A. 98, 12215-12220*