

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0148
LOT:	2008-0148
Activity:	Arabinogalactan endo-1,4- β -galactosidase
Synonyms:	Arabinogalactanase; endo-1,4- β -galactanase; galactanase
Nomenclature:	Arabinogalactanase, GH53
Source organism:	<i>Leuconostoc mesenteroides subs. mesenteroides ATCC 8293</i>
Enzyme Commission No.:	3.2.1.89
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	383 amino acids (view sequence)
Accession No.:	Q03XA6
Molecular weight:	44589.6 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Endohydrolysis of (1->4)- β -D-galactosidic linkages in 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, please follow [this link](#)

Primary sequence:

TVKKINNLNGNTIKGVDISSVISEEKSGVRYFNEEGKQENIFQILKSNGVNYIRVRVWNNPYTESGNGYGGGNSD
LAKAILIGKQASKYGMKLLVDFHYSDFWADPSKQKAPKSWQNLSDYDQKQKAVYAYTLDSLQKIKQAGIDVGMVQI
GNETNNGIAGTSKWPEMAGIFNSGSAAVRNVDKNILVAVHFDTIQKQGNDKWISKQLHDHNVVDYDVFATSYYPYW
HGSLSNLTQSLSDVSRITYDKKVMVAETSYPYTYQDGDGFRNTITKDSNIVFDYPVSVQGGQATALRDVFQAVANVG
STGLGVFYWEPAWVPVGPKNLESNRLLWEKFGSGWATKSASEFDKDAEGNAGGSSWDNQALFNFKGKALPSLKT
FKYIDTGH

Literature:

1. Markarova *et al.* (2006) *Proc. Natl. Acad. Sci. USA* **103**, 15611-15616