

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0227
LOT:	2008-0227
Activity:	Galactanase
Synonyms:	Endo-1,4- β -galactanase; endo- β -1,4-galactanase; arabinogalactanase; arabinogalactan endo-1,4- β -galactosidase; arabinogalactan 4- β -D-galactanohydrolase
Nomenclature:	CAZY [GH53, glycoside hydrolase family 53 , member of clan GH-A], SAV1324, SAV_1324
Source organism:	<i>Streptomyces avermitilis MA-4680</i>
Enzyme Commission No.:	3.2.1.89
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	493 amino acids (view sequence)
Accession No.:	Q82NH9 , BAC69034.1
Molecular weight:	54127.6 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Endohydrolysis of (1 \rightarrow 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/protein, please follow [this link](#)

Primary sequence:

RAAATLTNPGFESDGTGTATPAGWSTYSAAGQNAASFTESSGGRSGSYRLTHWSASAYKVETYQYLSGLANGNYTL
TAWVRSGGGQNSAYLALKNCGGTEQRTDLPVSAGGWIRIVTPVAVTGNQCTISVNSDANAGNWLNVDDLTFSTSGT
TGLGIKGSDISSLAKSEAFGGVYKTGSGTTGDALTIILKSAGMNYARLKVWVNPADGYNNKTRVLAMAKRVKAQGM
KLLVDFHYSDTWADPGAQSKPAAWAGHSYSQLKTDVYNHTYDVLSALKSQGTTADMVQIGNEINGGMLWSEGSTD
NWPQLAGLLNSGYSATKAVSSSTVVALHLAKGGDLAGTRAWFDKAVAGGVNFDAIGLSYYGYWHGSLYDFQTTLD
DAASRYGKPVFLAETAYPFRLDSDDSLNTQIDTTGELVSGYAATTAGQSAWLRDVMNIVEAVPNRGLGVFYWEA
TWTAVTGNGWDPADAASGNGWENQALFGYDDKALPAMTLEFSHR

Literature:

1. [Omura et al. \(2001\) Proc. Natl. Acad. Sci. USA 98, 12215-12220](#)