

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0197
LOT:	2008-0197
Activity:	Rhamnogalacturonan acetylerase
Synonyms:	RGAE enzyme
Nomenclature:	CE12, CE 12, carbohydrate esterase family 12
Source organism:	<i>Streptomyces coelicolor A3(2)</i>
Enzyme Commission No.:	3.1.1.-
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	238 amino acids (view sequence)
Accession No.:	Q93RU5
Molecular weight:	28462.8 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Removes acetyl esters from rhamnogalacturonan; acts in synergy with rhamnogalacturonases
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:

GRHHPRTLYIAGDSTAAQKYSDAAPETGWMALPFFLRNGLRVANHAVNGRSSRSFVDEGRDLAVLGAI R PGDFL
LIQFAHNDEKDEDPARYTEPWTTYQDYLRRYVAGARARGARPVLATPVERRRFDAEGNAVPSHGEYPAAMRALAR
QEGVALLDVQVLSLALWQRLGAEGTKAYFNWTATEQDNTHFNPPGAI A VARLVARELLRGRVLAHRDVRRL EEEI
PGSWISWPAPATA

Literature:

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