

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0155	
LOT:	2008-0155	
Activity:	Rhamnogalacturonan acetyesterase	
Synonyms:	RGAE enzyme	
Nomenclature:	CE12	
Source organism:	<i>Streptomyces avermitilis MA4680</i>	
Enzyme Commission No.:	3.1.1.-	
Activity:	-	<div style="border: 1px solid black; padding: 5px;"> <p>NOTE: this product is currently under development. If you wish to prioritise the production of this enzyme/protein, please follow this link</p> </div>
Specific activity:	-	
Purity:	-	
Form and storage:	-	
pH optimum:	-	
Temperature optimum:	-	
[Protein]:	-	
Sequence length:	237 amino acids (view sequence)	
Accession No.:	Q829N6	
Molecular weight:	28328.7 Da (theoretical)	
	-	(observed by SDS-PAGE)
	-	(observed by mass spectrometry)
Biological function:	Removes the acetyl esters from rhamnogalacturonan; acts in synergy with rhamnogalacturonases	
Potential application(s):	Biomass conversion , carbohydrate research	
Comments:	-	
Usage:	-	
Assay:	-	

Primary sequence:

TNRRARTLYIAGDSTAAQKYADAAPETGWMALPFFLREDLTVSNHAVNGRSSKSFIDEGRLDAILEVIAPGDFL
LIQFGHNDEKSADPTRYTEPWTTYQDCLRQYVDGARARGARPVLATPVERRKFDADGNAVPTHGDYPAAMRALAE
DELVALLDIQALSIALWQKLGVEETKKYFNWTATEQDNTHFDPPGAIAVARLVAAGLLHRRVLAPRDVRRRLDAEV
PESWITWPQATA

Literature:

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