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Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0043
LOT:	2008-0043
Activity:	CtCBM35C
Synonyms:	Carbohydrate binding module; carbohydrate binding domain
Nomenclature:	CtCBM35C is a family 35 galactomannan-binding module
Source organism:	*Clostridium thermocellum*
Enzyme Commission No.:	**-**
Activity:	See comments below
Specific activity:	
Purity:	>95% as judged by SDS-PAGE
Form and storage:	Supplied in 3.2 M ammonium sulphate, store at 4°C (shipped at room temperature)
pH optimum:	-
Temperature optimum:	**-**
[Protein]:	0.5 mg/mL
Sequence length:	146 amino acids (view sequence)
Accession No.	ABN53341
Molecular weight:	18149.7 Da (theoretical)
	17200 Da (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Binds to the galactose side-chains of galactomannan
Potential application(s):	Carbohydrate research
Comments:	**-**
Usage:	Agitate bottle sufficiently to fully homogenise enzyme precipitate before use
Assay:	To recover maximal CtCBM35C activity, centrifuge a required volume of the precipitated protein suspension provided (13000 ×g for 2 min), remove the supernatant and ressuspend the resulting pellet in the

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same volume of 20 mM Tris-HCl, pH 7.5, 20 mM NaCl, 5 mM $CaCl_2$.
Proceed with the assay as required

Primary sequence:

MTSGTINVYEAEDPANTLGGAAVRQRDNAASGGQYVGWIGNGSNNYLQFNNVYVPQAGTYRMVVQFAN
AEVFGQHSYNNNVVDRYCSISVNGGPEKGHYFFNTRGWNTYRTDIIDVYLNAGNNTIRFYNGTSGSYA
PNIDKIAIAA

Literature:

1. Unpublished data