

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0154
LOT:	2008-0154
Activity:	Pectin methyl esterase
Synonyms:	Pectinesterase; pectin demethoxylase; pectin methyl esterase
Nomenclature:	CE5
Source organism:	<i>Escherichia coli K12</i>
Enzyme Commission No.:	3.1.1.11
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	403 amino acids (view sequence)
Accession No.:	P46130
Molecular weight:	45665.1 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Pectin + H ₂ O <=> methanol + pectate
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:

TPPDQRPSDQTAPGTSSRPILSAKEAQNFDAQHYFASLTPGAAAWNPSPI TLPAQPDFVVG PAGTQGVTHTTIQA
AVDAAI IKRTNKRQYI AVMPGEYQGT VYVPAAPGGITLYGTGEKPIDVKIGLSLDGGMSPADWRHDVNPRGKYMP
GKPAWYMYDSCQSKRSDS IGVLC SAVFWSQNNGLQLQNLTIENTLGDSVDAGNHPAVALRTDGDQVQINNVN I LG
RQNTFFVTNSGVQNRLETNRQPRTLVTNSYIEGDVDIVSGRGAVVFDNTEFRVVNSRTQQEAYVFAPATLSNIYY
GFLAVNSRFNAFGDGV AQLGRSLD V DANTNGQVVIRDSAINEGFNTAKPWADAVISNRPFAGNTGSVDDNDEIQR
NLNDTNYNRMWEYNNR GVGSKVVAEAKK

Literature:

1. Blattner *et al.* (1997) *Science*. **227**, 1453-1474