

General Pectate Lyase Assay Kit

Pectate Lyase Microplate Assay Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA261596	General	Functional Assay

PRODUCT SYNONYMS

Pectate Lyase; Pectate Lyase Microplate Assay Kit; EC 4.2.2.2; Pectate lyase; Alpha-1; 4-D-endopolygalacturonic acid lyase; Endo-alpha-1; 4-polygalacturonic acid lyase; Endogalacturonate transeliminase; Endopectin methyltranseliminase; Pectate transeliminase; Pectic acid lyase; Pectic acid transeliminase; Pectic lyase; Pectin trans-eliminase; PGA lyase; Polygalacturonate lyase; Polygalacturonic acid lyase; Polygalacturonic acid trans-eliminase; Polygalacturonic transeliminase; PPase-N; Pectate Lyase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	521
Samples	Tissue extracts, Cell lysate and Other biological fluids Samples
Applicable Applications for Pectate Lyase assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

ADDITIONAL INFORMATION

Related Product Information for Pectate Lyase assay kit	Background: Pectate lyase (EC 4.2.2.2) is an enzyme involved in the maceration and soft rotting of plant tissue. Pectate lyase is responsible for the eliminative cleavage of pectate, yielding oligosaccharides with 4-deoxy-alpha-D-mann-4-enuronosyl groups at their non-reducing ends. The protein is maximally expressed late in pollen development. It has been suggested that the pollen expression of pectate lyase genes might relate to a requirement for pectin degradation during pollen tube growth. This enzyme catalyzes the chemical reaction Eliminative cleavage of (1?4)-alpha-D-galacturonan to give oligosaccharides with 4-deoxy-alpha-D-galact-4-enuronosyl groups at their non-reducing ends. The enzyme catalysed reaction products Oligogalacturonic acid, can be measured at a colorimetric readout at 235 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21221271
NCBI Accession #	NP_627050.1
NCBI GenBank Nucleotide #	NC_003888.3
NCBI Official Full Name	pectate lyase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/pectate-lyase/261596>