



## Product Information

### Recombinant *Thermotoga maritima* pectate lyase 1A2

**Cat. No.:** X23-08-YM684

**Size:** 1 mg; 2 mg; 3 mg; 6 mg

**Enzyme Commission Number:** 4.2.2.2

**Synonym:** *TmPel1A*; Polygalacturonic transeliminase; Pectic acid transeliminase; Polygalacturonate lyase; Endopectin methyltranseliminase.

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

<b>Description</b>	Recombinant <i>Thermotoga maritima</i> pectate lyase 1A2 produced by <i>Escherichia coli</i> , is a recombinant enzyme produced in <i>Escherichia coli</i> . It is essential for breaking down pectin, a complex polysaccharide present in the cell walls of plants.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Thermotoga maritima</i>
<b>Concentration</b>	1 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	≥90%, determined by SDS-PAGE.
<b>Activity</b>	Pectate lyases
<b>Buffer</b>	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl <sub>2</sub> , and 25% (v/v) glycerol
<b>Applications</b>	Recombinant <i>Thermotoga maritima</i> pectate lyase 1A2 can be used for pectin measurement and carbohydrate research and participates in the eliminative cleavage of methylated pectins.
<b>Storage</b>	Store at -20°C.