



## ThermoActive™ Pustulanase – Cel 136

### Product information

Available as freeze dried powder.  
Activity: 3.2 U/mg powder, or 9.7 U/mg protein.  
Store at a dry & cool place 4°C.

### Enzyme activity

The enzyme has alternative name,  $\beta$ -1,6-endoglucanase (E.C. 3.2.1.75), and makes random hydrolysis of 1,6-linkages in lutean, pustulan and 1,6-oligo-b-D-glucosides.

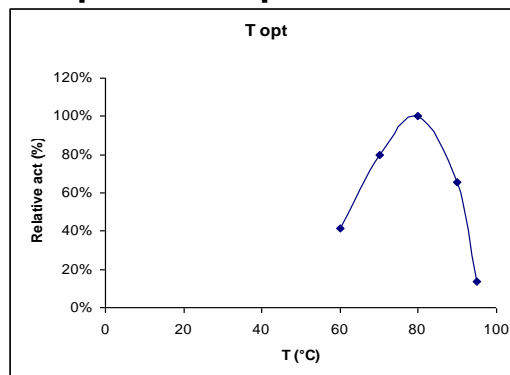
### Assay

The standard assay for endoglucanase activity was done by incubating the enzyme at 80°C for 10 min, with 1 % (w/v) pustulan, as a substrate in 0.1M sodium phosphate buffer, pH 5.5. The reducing sugars released were detected by the dinitrosalicylic acid method using glucose as standard.

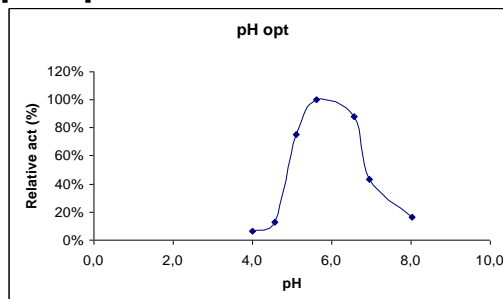
### Unit definition

One unit (U) of enzyme activity is the amount that leads to the release of 1  $\mu$ mol reducing sugars per minute.

### Temperature optimum



### pH optimum



Limited usage statement on [www.prokazyme.com](http://www.prokazyme.com)