

endo-POLYGALACTURONANASE (*Pectobacterium carotovorum*)

08/23

Recombinant

E-PGALPC

EC: 3.2.1.15

Synonyms: polygalacturonase; (1->4)-alpha-D-galacturonan glycanohydrolase

CAZy Family: GH28

CAS: 9032-75-1

Refer to the product lot number Certificate of Analysis for lot specific properties.

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 39,818)
- One major band on isoelectric focusing (pI ~ 9.43)

2. SPECIFICITY:

Random hydrolysis of α -1,4-D-galactosiduronic linkages in pectate and polygalacturonans.

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 5.0-6.0 and up to 50°C.

pH Optima: 6.0

pH Stability: 3.5-8.0 (> 75% control activity after 24 h at 4°C)

Temperature Optima: 50°C (10 min reaction)

Temperature Stability: up to 50°C (> 75% control activity after 15 min incubation at temperature)

4. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension containing 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium acetate buffer (100 mM), pH 5.5 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**

5. EXPERIMENTAL DATA:

