

XYLOGLUCANASE (GH5) (*Paenibacillus* sp.)

08/23

Recombinant

E-XEGP

EC: 3.2.1.151

Synonyms: xyloglucan-specific endo-beta-1,4-glucanase; [(1→6)-alpha-D-xylo]-(1→4)-beta-D-glucan glucanohydrolase

CAZy Family: GH5

CAS: 76901-10-5

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

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 42,300)
- Single major band on isoelectric focusing (pI ~ 7.2)

2. PHYSICOCHEMICAL PROPERTIES:

- | | |
|------------------------|--|
| pH Optima: | 5.0-7.0 |
| pH Stability: | 4.0-9.0 (> 75% control activity after 24 h at 4°C) |
| Temperature Optima: | 50°C (10 min. reaction) |
| Temperature Stability: | up to 50°C (> 90% control activity after 15 min.) |

3. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension in 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.**