

exo-1,3-β-D-GLUCANASE (Trichoderma virens)

08/23

Recombinant

E-EXBGTV

EC: 3.2.1.58

Synonyms: glucan 1,3-beta-glucosidase; 3-beta-D-glucan glucohydrolase

CAZy Family: GH55

CAS: 9073-49-8

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

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 81,700)
- Single major band on isoelectric focusing (pI ~ 7.0)

2. SPECIFICITY:

Successive hydrolysis of β-D-glucose units from the non-reducing ends of (1,3)-β-D-glucans, releasing α-glucose.

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 4.0-5.0 and 50°C.

pH Optima: 4.0-5.0

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 40°C

4. 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 (20 mM), pH 4.5 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**

5. EXPERIMENTAL DATA:

