

**β-GLUCOSIDASE (*Agrobacterium* sp.)**

08/23

**Recombinant****E-BGOSAG**

EC: 3.2.1.21

**Synonyms:** beta-glucosidase; beta-D-glucoside glucohydrolase**CAZy Family:** GH1**CAS:** 9001-22-3**Refer to the product lot number Certificate of Analysis for lot specific properties.****PROPERTIES****1. ELECTROPHORETIC PURITY:**

- Single band on SDS-gel electrophoresis (MW ~ 52,200)
- One major bands on isoelectric focusing (pI ~ 5.5)

**2. SPECIFICITY:**

Hydrolysis of terminal, non-reducing β-D-glucosyl residues with release of β-D-glucose.

**3. PHYSICOCHEMICAL PROPERTIES:**

pH Optima:	6.5-7.0 (at 40°C)
pH Stability:	5.0-9.0 (at 40°C for 30 min)
Temperature Optima:	50°C (10 min at pH 7.0)
Temperature Stability:	Unstable above 50°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 phosphate buffer (50 mM), pH 7.0 containing 0.5 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**