

PRODUCT NUMBER: Bra 127

LOT NUMBER: 359-0201-03



PROKARIA

# 4-alpha-glucanotransferase elongation enzyme

## I. PRODUCT INFORMATION

### Product Information

**1830 units**  
**12000 U/mg total protein, at 65°C and pH 8.0**  
**after 10 minutes. 740 U/mg powder**

**Store at 4°C**

**Contents:** Freeze dried

**Purity:** >80% estimated by SDS-PAGE.

### Alternative namens

Dextrin glycosyltransferase.

Disproportionating enzyme.

Oligo-1,4-1,4-glucantransferase.

### Mode of Action

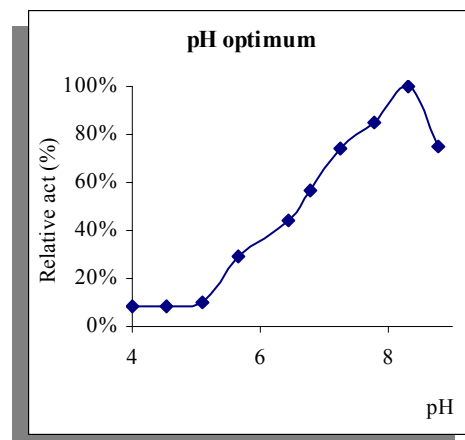
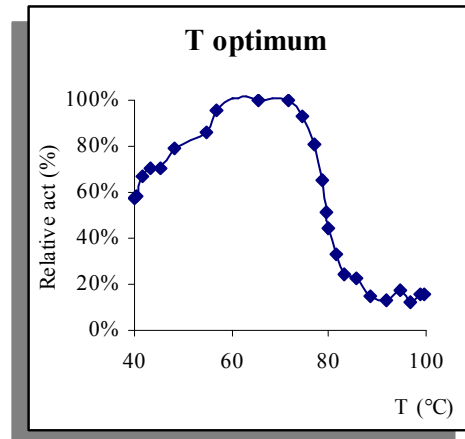
Catalyzes the formation of the alpha-1,4-glucosidic linkages. Transfers a segment of a (1->4)-alpha-D-glucan to a new position in an acceptor, which may be glucose or a (1->4)-alpha-D-glucan

### Unit Definition

Half unit (U) is defined as the amount of enzyme which lowers the OD<sub>650nm</sub> from 1.2 to 0.7 in 30minutes.

### Unit Assay Conditions

Branching enzyme activity was routinely determined in a 50mM KPO<sub>4</sub> pH 8.0 buffer for 10 minutes with 0.01%(w/v) final conc. of amylose.



### Safety handling – All enzymes bear the warning:

- HARMFUL ENZYME-PROTEIN
- Enzymes may cause sensitization by inhalation

**This product is produced by Prokaria Ltd. Reykjavik, Iceland.**

- It is free of biological and chemical hazards
- This product is distributed for laboratory use only

**CAUTION**

- Not for diagnostic use
- The safety and efficacy of this product in diagnostic or other clinical use has not been established

**Limited use statement**

The purchase of this product conveys to the buyer the non-transferable right to use the product and components of the product in research conducted by the buyer. The buyer cannot sell or otherwise transfer this product or its components to a third party and in particular, no rights are conveyed to the buyer to use the product or its components for commercial purpose

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