



## Product Information

### Recombinant *Streptococcus mutans* $\alpha$ -glucosidase 13A

**Cat. No.:** X23-08-YM229

**Size:** 1 mg; 2 mg; 3 mg; 6 mg

**Enzyme Commission Number:** 3.2.1.70

**Synonym:** *SmAgd13A*; Maltase; Alpha-glucosidase; Alpha-D-glucosidase

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

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|--------------------------|---|
| <b>Description</b>       | Recombinant <i>Streptococcus mutans</i> $\alpha$ -glucosidase 13A produced by <i>Escherichia coli</i> , is an exoenzyme and is responsible for hydrolyzing (1 $\rightarrow$ 4)-linked $\alpha$ -D-glucose residues with the release of D-glucose. |
| <b>Expression System</b> | <i>Escherichia coli</i>   |
| <b>Species</b>           | <i>Streptococcus mutans</i>   |
| <b>Concentration</b>     | 1 mg/mL   |
| <b>Form</b>              | Liquid  |
| <b>Purity</b>            | $\geq$ 90%, determined by SDS-PAGE.   |
| <b>Activity</b>          | $\alpha$ -Glucosidases  |
| <b>Buffer</b>            | 35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl <sub>2</sub> , and 25% (v/v) glycerol   |
| <b>Applications</b>      | Recombinant <i>Streptococcus mutans</i> $\alpha$ -glucosidase 13A can be used in carbohydrate and biofuel research. It has the ability to hydrolyze $\alpha$ -glucosidases.   |
| <b>Storage</b>           | Store at -20°C.   |