

Product Information

Recombinant *Streptococcus mutans* α -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

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