



Product Information

Recombinant *Thermotoga maritima* amylase 57C

Cat. No.: X23-08-YM194

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

Enzyme Commission Number: 3.2.1.1

Synonym: *TmAmy57C*; 1,4- α -D-Glucan-glucanohydrolase

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

Product Information

Description	Recombinant <i>Thermotoga maritima</i> amylase 57C produced by <i>Escherichia coli</i> , plays a key part in starch degradation that attacks alpha bonds intact starch granules and soluble starch and produces glucose, maltose, and limited dextrin.
Expression System	<i>Escherichia coli</i>
Species	<i>Thermotoga maritima</i>
Concentration	1 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Amylases
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>Thermotoga maritima</i> amylase 57C is applied in the research for the detergent industry, fuel alcohol production, food, textile, and paper industries. It has the ability to hydrolyze 1,4- α -glucans.
Storage	Store at -20°C.