



## Product Information

### Recombinant *Escherichia coli* amylase 13A

**Cat. No.:** X23-08-YM108

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

**Enzyme Commission Number:** 3.2.1.1

**Synonym:** EcAmy13A; 1,4- $\alpha$ -D-Glucan-glucanohydrolase

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

#### Product Information

<b>Description</b>	Recombinant <i>Escherichia coli</i> amylase 13A 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.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Escherichia coli</i>
<b>Concentration</b>	1 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	Amylases
<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>Escherichia coli</i> amylase 13A 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- $\alpha$ -glucans.
<b>Storage</b>	Store at -20°C.