



Product Information

Recombinant *Thermotoga maritima* lichenase 5A

Cat. No.: X23-08-YM171

Size: 0.25 mg; 0.50 mg; 0.75 mg; 1 mg

Enzyme Commission Number: 3.2.1.73

Synonym: *TmLic5A*; Licheninase; β -(1 \rightarrow 4)-D-Glucan 4-glucanohydrolase; 1,3-1,4- β -D-Glucan 4-glucanohydrolase

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

Product Information

Description	Recombinant <i>Thermotoga maritima</i> lichenase 5A produced by <i>Escherichia coli</i> , is a specific <i>endo</i> -(1-3),(1-4)- β -D-glucan 4-glucanohydrolase that solubilizes β -glucans from cereal grains by attacking β -(1,4) glucosidic linkages to give gluco-oligosaccharides.
Expression System	<i>Escherichia coli</i>
Species	<i>Thermotoga maritima</i>
Concentration	0.25 mg/mL
Form	Liquid
Purity	\geq 90%, determined by SDS-PAGE.
Activity	Lichenases
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> lichenase 5A can be used in carbohydrate research and biofuel industries. It has the ability to hydrolyze 1,3-1,4- β -glucans, cellulosic carbohydrates, and xyloglucan.
Storage	Store at -20°C.