



## Product Information

### Recombinant *Thermobifida fusca* cellulase 5A

**Cat. No.:** X23-08-YM518

**Size:** 0.5 mg; 1 mg; 1.5 mg; 2 mg

**Enzyme Commission Number:** 3.2.1.4

**Synonym:** TfCel5A; Beta-cellobiose

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

#### Product Information

<b>Description</b>	Recombinant <i>Thermobifida fusca</i> cellulase 5A produced by <i>Escherichia coli</i> , possesses broad exo-1,3/1,6- $\beta$ -glucanase specificity and endo- $\beta$ -1,4-glucanase activity.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Thermobifida fusca</i>
<b>Concentration</b>	0.5 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	Cellulases
<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>Thermobifida fusca</i> cellulase 5A can be used in research for textile, animal food, pharmaceutical, detergent, and paper processing industries. It has the ability to hydrolyze 4-nitrophenyl- $\beta$ -D-cellobioside, avicel, cellulosic carbohydrates, and swollen cellulose.
<b>Storage</b>	Store at -20°C.