



Product Information

Recombinant *Ruminococcus chamanellensis* cellulase 5A

Cat. No.: X23-08-YM134

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

Enzyme Commission Number: 3.2.1.4

Synonym: RcCel5A; Beta-cellotriose

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

Product Information

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