

Product Information

Recombinant *Ruminococcus champanellensis* xylanase 10B & Arabinofuranosidase 43B

Cat. No.: X23-08-YM470

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

Enzyme Commission Number: 3.2.1.8; 3.2.1.55

Synonym: RcXyn10B-Abf43B; *Endo*-(1→4)- β -xylan 4-xylanohydrolase; 4-Beta-D-xylan xylanohydrolase

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

Product Information

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| Description | Recombinant <i>Ruminococcus champanellensis</i> xylanase 10B & Arabinofuranosidase 43B produced by <i>Escherichia coli</i> , belongs to hydrolase that attacks hemicellulose to give rise to a mixture of xylooligosaccharides (XOSs) of various sizes. |
| Expression System | <i>Escherichia coli</i> |
| Species | <i>Ruminococcus champanellensis</i> |
| Concentration | 0.5 mg/mL |
| Form | Liquid |
| Purity | ≥90%, determined by SDS-PAGE. |
| Activity | Xylanases & Arabinofuranosidases |
| 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 champanellensis</i> xylanase 10B & Arabinofuranosidase 43B can be used in carbohydrate research for the food industry. It has the ability to hydrolyze the backbone and the arabinose side chains of arabinoxylans. |
| Storage | Store at -20°C. |