



## Product Information

### Recombinant *Ruminococcus champanellensis* arabinanase 43D

**Cat. No.:** X23-08-YM520

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

**Enzyme Commission Number:** 3.2.1.99

**Synonym:** RcAbn43D; *Endo*-1,5- $\alpha$ -arabinanase

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

#### Product Information

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|--------------------------|--|
| <b>Description</b>       | Recombinant <i>Ruminococcus champanellensis</i> arabinanase 43D produced by <i>Escherichia coli</i> , is responsible <i>endo</i> -hydrolysis of (1,5)- $\alpha$ -arabinofuranose linkages in (1,5)- $\alpha$ -arabinans. |
| <b>Expression System</b> | <i>Escherichia coli</i>  |
| <b>Species</b>           | <i>Ruminococcus champanellensis</i>  |
| <b>Concentration</b>     | 0.5 mg/mL  |
| <b>Form</b>              | Liquid   |
| <b>Purity</b>            | $\geq 90\%$ , determined by SDS-PAGE.  |
| <b>Activity</b>          | Arabinanases   |
| <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>Ruminococcus champanellensis</i> arabinanase 43D can be used in the reduction of haze in fruit juices and the processing of sugar beet. It has the ability to hydrolyze arabinan.                         |
| <b>Storage</b>           | Store at -20°C.  |