



Product Information

Recombinant *Bacillus subtilis* arabinanase 43B

Cat. No.: X23-08-YM068

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

Enzyme Commission Number: 3.2.1.99

Synonym: BsAbn43B; *Endo*-1,5- α -arabinanase

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

Product Information

Description	Recombinant <i>Bacillus subtilis</i> arabinanase 43B produced by <i>Escherichia coli</i> , is responsible <i>endo</i> -hydrolysis of (1,5)- α -arabinofuranose linkages in (1,5)- α -arabinans.
Expression System	<i>Escherichia coli</i>
Species	<i>Bacillus subtilis</i>
Concentration	0.25 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Arabinanases
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>Bacillus subtilis</i> arabinanase 43B can be used in the reduction of haze in fruit juices and the processing of sugar beet. It has the ability to hydrolyze 4-nitrophenyl- α -L-arabinofuranoside and arabinan.
Storage	Store at -20°C.