

Product Information

Recombinant *Bacillus* sp. inulin fructotransferase 91A

Cat. No.: X23-08-YM382

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

Enzyme Commission Number: 4.2.2.18

Synonym: Bfft91A; Inulin D-fructosyl-D-fructosyltransferase

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

Product Information

Description	Recombinant <i>Bacillus</i> sp. inulin fructotransferase 91A produced by <i>Escherichia coli</i> , functions as an enzyme that produces α -D-fructofuranose β -D-fructofuranose 1,2':2,3'-dianhydride (DFA III) by sequentially removing the (2->1)- β -D-fructan (inulin) chain from the terminal D-fructosyl-D-fructosyl disaccharide.
Expression System	<i>Escherichia coli</i>
Species	<i>Bacillus</i> sp.
Concentration	0.5 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Inulases
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</i> sp. inulin fructotransferase 91A can be used in research for food and pharmaceutical industries as a dietary fiber and prebiotic. It has the ability to hydrolyze inulin oligosaccharides.
Storage	Store at -20°C.