



Product Information

Recombinant *Ruminococcus flavefaciens* mannanase 5A

Cat. No.: X23-08-YM367

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

Enzyme Commission Number: 3.2.1.78

Synonym: RfMan5A; Endo-1,4- β -glucanase

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

Product Information

Description	Recombinant <i>Ruminococcus flavefaciens</i> mannanase 5A produced by <i>Escherichia coli</i> , is a single-domain enzyme belonging to glycoside hydrolase family 5 (GH5).
Expression System	<i>Escherichia coli</i>
Species	<i>Ruminococcus flavefaciens</i>
Concentration	0.5 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	β -Mannanases
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 flavefaciens</i> mannanase 5A can be used in biofuel production and carbohydrate modification. It has the ability to hydrolyze galactomannans, glucomannans, and mannans.
Storage	Store at -20°C.