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Product Information

Recombinant *Clostridium thermocellum* carbohydrate-binding module 22A1

Cat. No.: X23-08-YM730

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

Synonym: CMB 22A

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

Product Information

Description	Recombinant *Clostridium thermocellum* carbohydrate-binding module 22A1 produced by *Escherichia coli*, with ligand specificity of arabinogalactans, decorated 1,4-β-xylans, undecorated 1,4-β-xylans, is a type of enzyme protein produced in *Escherichia coli*. It has multiple modules that specifically bind to carbohydrate substrates in order to carry out their function.
Expression System	*Escherichia coli*
Species	*Clostridium thermocellum*
Concentration	0.5 mg/mL
Carbonhydrate Specificity	1,3-1,4-β-Glucans, 1,3-β-glucans, cellulosic carbohydrates
Form	Liquid
Purity	≥90%, determined by SDS-PAGE.
Activity	Carbohydrate binding modules
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 *Clostridium thermocellum* carbohydrate-binding module 22A1 can be used for glycobiology research.
Storage	Store at -20°C.

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