



Product Information

Recombinant *Ruminococcus flavefaciens* carbohydrate-binding module 22I

Cat. No.: X23-08-YM811

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

Synonym: CMB 22I

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

Product Information

Description	Recombinant <i>Ruminococcus flavefaciens</i> carbohydrate-binding module 22I produced by <i>Escherichia coli</i> , with ligand specificity of LacNAc (β -D-galactosyl-1,4- β -D-N-acetylglucosamine), is a type of enzyme protein produced in <i>Escherichia coli</i> . It has multiple modules that specifically bind to carbohydrate substrates in order to carry out their function.
Expression System	<i>Escherichia coli</i>
Species	<i>Ruminococcus flavefaciens</i>
Concentration	0.5 mg/mL
Carbohydrate Specificity	Arabinogalactans, decorated 1,4- β -xylans, undecorated 1,4- β -xylans
Form	Liquid
Purity	$\geq 90\%$, 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 <i>Ruminococcus flavefaciens</i> carbohydrate-binding module 22I can be used for glycobiology research.
Storage	Store at -20°C .