

Product Information

Recombinant *Clostridium stercorarium* reducing-end cellobiohydrolase 48A

Cat. No.: X23-08-YM335

Size: 1 mg; 2 mg; 3 mg; 6 mg

Enzyme Commission Number: 3.2.1.176

Synonym: CsCbh48A; Cellulose 1,4-beta-cellobiosidase (reducing end)

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

Product Information

Description	Recombinant <i>Clostridium stercorarium</i> reducing-end cellobiohydrolase 48A produced by <i>Escherichia coli</i> , acts by releasing cellobiose from the reducing ends of the cellulose chains.
Expression System	<i>Escherichia coli</i>
Species	<i>Clostridium stercorarium</i>
Concentration	1 mg/mL
Form	Liquid
Purity	≥90%, determined by SDS-PAGE.
Activity	Cellobiohydrolases
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>Clostridium stercorarium</i> reducing-end cellobiohydrolase 48A can be used in biomass conversion and bioenergy production. It has the ability to hydrolyze avicel and crystalline cellulose.
Storage	Store at -20°C.