

## Cellobiohydrolase 9A from *Clostridium thermocellum*, Recombinant

Cat. No. NATE-1329

Lot. No. (See product label)

### Introduction

**Description** Cellulose 1,4-beta-cellobiosidase (non-reducing end) (EC 3.2.1.91, exo-cellobiohydrolase, beta-1,4-glucan cellobiohydrolase, beta-1,4-glucan cellobiosylhydrolase, 1,4-beta-glucan cellobiosidase, exoglucanase, avicelase, CBH 1, C1 cellulase, cellobiohydrolase I, cellobiohydrolase, exo-beta-1,4-glucan cellobiohydrolase, 1,4-beta-D-glucan cellobiohydrolase, cellobiosidase) is an enzyme with systematic name 4-beta-D-glucan cellobiohydrolase (non-reducing end). This enzyme catalyses the following chemical reaction: Hydrolysis of (1->4)-beta-D-glucosidic linkages in cellulose and cellotetraose, releasing [cellobiose] from the non-reducing ends of the chains.

**Synonyms** Cellulose 1,4-beta-cellobiosidase (non-reducing end); EC 3.2.1.91; exo-cellobiohydrolase; beta-1,4-glucan cellobiohydrolase; beta-1,4-glucan cellobiosylhydrolase; 1,4-beta-glucan cellobiosidase; exoglucanase; avicelase; CBH 1; C1 cellulase; cellobiohydrolase I; cellobiohydrolase; exo-beta-1,4-glucan cellobiohydrolase; 1,4-beta-D-glucan cellobiohydrolase; cellobiosidase

### Product Information

<b>Species</b>	<i>Clostridium thermocellum</i>
<b>Source</b>	<i>E. coli</i>
<b>Form</b>	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl <sub>2</sub> , 0.02% sodium azide and 25% (v/v) glycerol
<b>EC Number</b>	EC 3.2.1.91
<b>CAS No.</b>	37329-65-0
<b>Molecular Weight</b>	59.4 kDa
<b>Purity</b>	>90% by SDS-PAGE
<b>Concentration</b>	1 mg/mL
<b>Optimum pH</b>	5
<b>Optimum temperature</b>	60 °C
<b>Specificity</b>	Amorphous and crystalline cellulose

### Storage and Shipping Information

**Storage** This enzyme is shipped at room temperature but should be stored at -20 °C.