

## Xylanase 11A & Acetyl xylan esterase 4A from Clostridium thermocellum, Recombinant

Cat. No. NATE-1536

Lot. No. (See product label)

### Introduction

**Description** In enzymology, an acetylxytan esterase (EC 3.1.1.72) is an enzyme that catalyzes a chemical reaction, the deacetylation of xylans and xylo-oligosaccharides. This enzyme belongs to the family of hydrolases, specifically those acting on carboxylic ester bonds.

**Synonyms** Acetylxytan esterase; EC 3.1.1.72; 188959-24-2; 9000-82-2

### Product Information

**Species** Clostridium thermocellum

**Source** E. coli

**Form** 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

**EC Number** EC 3.2.1.8 and 3.1.1.72

**Molecular Weight** 72.5 kDa

**Purity** >90% as judged by SDS-PAGE

**Concentration** 0.75 mg/mL

**Optimum pH** 4.5-8.0

**Optimum temperature** 65 °C

**Specificity** Xylans, such as oat spelt xylan and arabinoxylan (GH11), and removes acetate from acetylated xylan (CE4)

### Storage and Shipping Information

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