

## Acetyl xylan esterase from *Thermotoga maritima*, Recombinant

Cat. No. NATE-1535

Lot. No. (See product label)

### Introduction

#### Description

In enzymology, an acetylxylan 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

Acetylxylan esterase; EC 3.1.1.72; 188959-24-2; 9000-82-2

### Product Information

#### Species

*Thermotoga maritima*

#### 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 3.1.1.72

#### CAS No.

188959-24-2;9000-82-2

#### Molecular Weight

39.2 kDa

#### Purity

>90% as judged by SDS-PAGE

#### Concentration

1 mg/mL

#### Optimum pH

7.5

#### Optimum temperature

100 °C

#### Specificity

Variety of acetylated compounds, including cephalosporin; 4-nitrophenyl-β-D-xylopyranoside monoacetates

### Storage and Shipping Information

#### Storage

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