

## Acetyl xylan esterase from Ruminococcus flavefaciens, Recombinant

Cat. No. NATE-1533

Lot. No. (See product label)

### Introduction

**Description** In enzymology, an acetyl xylan 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** Acetyl xylan esterase; EC 3.1.1.72; 188959-24-2; 9000-82-2

### Product Information

**Species** Ruminococcus flavefaciens

**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** 27.2 kDa

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

**Concentration** 1 mg/mL

**Optimum pH** 6.8

**Optimum temperature** 37 °C

**Specificity** β-naphthyl acetate, lower activity against α-naphthyl acetate

### Storage and Shipping Information

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