Creative Enzymes®

# Acetyl xylan esterase from Ruminococcus flavefaciens, Recombinant

*Cat. No. NATE-1533*

*Lot. No.* (See product label)

## Introduction

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| ***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

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| ***Species*** | Ruminococcus flavefaciens |
| ***Source*** | E. coli |
| ***Form*** | 35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 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 agains α-naphthyl acetate |

## Storage and Shipping Information

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