Creative Enzymes®

# Acetyl xylan esterase from Cellvibrio japonicus, Recombinant

*Cat. No. NATE-1194*

*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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| ***Source*** | Cellvibrio japonicus NCIMB 10462 |
| ***Form*** | Supplied in 3.2 M ammonium sulphate |
| ***EC Number*** | EC 3.1.1.72 |
| ***CAS No.*** | 188959-24-2;9000-82-2 |
| ***Molecular Weight*** | 39090.9 Da |
| ***Purity*** | > 95 % as judged by SDS-PAGE |
| ***Activity*** | 410.0 U/mg |
| ***Concentration*** | 1845.2 U/ml |
| ***Optimum pH*** | 8.5 |
| ***Unit Definition*** | One unit is defined as the amount of enzyme required to release 1 micromole of pNP from pNP-acetate (0.27 mM) per minute at pH 8.5 and 25°C, in 0.1 M HEPES buffer, pH 8.5, as measured at 400 nm, and using an extinction coefficient of 18000 M-1cm-1. |

## Storage and Shipping Information

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| ***Storage*** | Store at 4°C (shipped at room temperature) |