

Acetyl xylan esterase from *Cellvibrio japonicus*, Recombinant

Cat. No. NATE-1194

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

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

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