

Acetyl xylan esterase from *Ruminococcus flavefaciens*, Recombinant

Cat. No. NATE-1533

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 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 against α-naphthyl acetate

Storage and Shipping Information

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