

Xylosidase 43A from Cellvibrio japonicus, Recombinant

Cat. No. NATE-1528

Lot. No. (See product label)

Introduction

Description Releases reducing sugars from birchwood xylan (X0502), also catalyzes the hydrolysis of 4-methylumbelliferyl- β -D-cellobioside and 4-methylumbelliferyl- β -D-glucopyranoside. This enzyme does not possess endo-xylanase, arabinoxylanase or β -glucanase activities. β -Xylosidase undergoes post-translation glycosylation which has been shown to be critical for its proper activity and stability. Deglycosylation altered the the optimum temperature and pH for activity and decreased its thermostability.

Synonyms β -Xylosidase; EC 3.2.1.37; 9025-53-0; Xylosidase

Product Information

Species Cellvibrio japonicus

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 3.2.1.37

CAS No. 9025-53-0

Molecular Weight 39.9 kDa

Purity >90% as judged by SDS-PAGE

Concentration 1 mg/mL

Optimum pH 7

Optimum temperature 25 °C

Specificity Sugar beet arabinan in an exo-fashion and 4-nitrophenyl-L-arabinofuranoside (4NPA)

Storage and Shipping Information

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