Creative Enzymes®

# Arabinofuranosidase 43B from Bacteroides thetaiotaomicron, Recombinant

*Cat. No. NATE-1322*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Alpha-N-arabinofuranosidase is an enzyme with system name alpha-L-arabinofuranoside arabinofuranohydrolase. This enzyme catalyses the following chemical reaction: Hydrolysis of terminal non-reducing alpha-L-arabinofuranoside residues in alpha-L-arabinosides. The enzyme acts on alpha-L-arabinofuranosides, alpha-L-arabinans containing (1,3)- and/or (1,5)-linkages, arabinoxylans and arabinogalactans. |
| ***Synonyms*** | non-reducing end alpha-L-arabinofuranosidase; alpha-L-arabinofuranoside non-reducing end alpha-L-arabinofuranosidase; EC 3.2.1.55; arabinosidase; alpha-arabinosidase; alpha-L-arabinosidase; alpha-arabinofuranosidase; polysaccharide alpha-L-arabinofuranosidase; alpha-L-arabinofuranoside hydrolase; L-arabinosidase; alpha-L-arabinanase; Alpha-N-arabinofuranosidase; α-L-Arabinofuranosidase |

## Product Information

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| ***Species*** | Bacteroides thetaiotaomicron |
| ***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 3.2.1.55 |
| ***CAS No.*** | 9067-74-7 |
| ***Molecular Weight*** | 36.5 kDa |
| ***Purity*** | >90% by SDS-PAGE |
| ***Concentration*** | 1 mg/mL |
| ***Optimum pH*** | 7 |
| ***Optimum temperature*** | 37 °C |
| ***Specificity*** | 1,2-α-arabinofuranose decorations in single or double substitutions of hemicelluloses |

## Storage and Shipping Information

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