Creative Enzymes®

# α-Rhamnosidase 78A from Streptomyces avermitilis, Recombinant

*Cat. No. NATE-1510*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | A thermostable Alpha-L-Rhamnosidase (Naringinase, RhamA) that catalyzes the cleavage of the bond between terminal L (+)-rhamnose and the aglycone of rhamnose-containing glycosides. The enzyme is very active on naringin but has also substantial activity with hesperidin as substrate. |
| ***Synonyms*** | glycoside hydrolase; RhamA; naringinase; hesperidinase; α-L-rhamnosidase A; α-L-rhamnosidase N; α-L-rhamnoside rhamnohydrolase; EC 3.2.1.40 |

## Product Information

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| ***Species*** | Streptomyces avermitilis |
| ***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 3.2.1.40 |
| ***CAS No.*** | 37288-35-0 |
| ***Molecular Weight*** | 115 kDa |
| ***Purity*** | >90% as judged by SDS-PAGE |
| ***Concentration*** | 1 mg/mL |
| ***Optimum pH*** | 5 |
| ***Optimum temperature*** | 40 °C |
| ***Specificity*** | Undecorated rhamnogalacturonans |

## Storage and Shipping Information

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