Creative Enzymes®

α-Mannanase 76A from Bacteroides thetaiotaomicron, Recombinant

Cat. No. NATE-1475

Lot. No. (See product label)

Introduction

Description	Mannan endo-1,6-alpha-mannosidase (EC 3.2.1.101, exo-1,6-beta-mannanase, endo-alpha-1->6-D-mannanase, endo-1,6-beta-mannanase, mannan endo-1,6-beta-mannosidase, 1,6-alpha-D-mannan mannanohydrolase) is an enzyme with systematic name 6-alpha-D-mannan mannanohydrolase. This enzyme catalyses the following chemical reaction: Random hydrolysis of (1->6)-alpha-D-mannosidic linkages in unbranched (1->6)-mannans.
Synonyms	Mannan endo-1,6-alpha-mannosidase; EC 3.2.1.101; exo-1,6-beta-mannanase; endo-alpha-1->6-D-mannanase; endo-1,6-beta-mannanase; mannan endo-1,6-beta-mannosidase; 1,6-alpha-D-mannan mannanohydrolase; 6-alpha-D-mannan mannanohydrolase

Product Information

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 3.2.1.101
Molecular Weight	45.4 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	7
Optimum temperature	37 °C
Specificity	1,6 linkages in α-mannans

Storage and Shipping Information

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