

α-Mannanase 76A from Bacteroides thetaiotaomicron, Recombinant

Cat. No. NATE-1475

Lot. No. (See product label)

Introduction

Description

Mannan endo-1,6- α -mannosidase (EC 3.2.1.101, exo-1,6- β -mannanase, endo- α -1- \rightarrow 6-D-mannanase, endo-1,6- β -mannanase, mannan endo-1,6- β -mannosidase, 1,6- α -D-mannan mannanohydrolase) is an enzyme with systematic name 6- α -D-mannan mannanohydrolase. This enzyme catalyses the following chemical reaction: Random hydrolysis of (1- \rightarrow 6)- α -D-mannosidic linkages in unbranched (1- \rightarrow 6)-mannans.

Synonyms

Mannan endo-1,6- α -mannosidase; EC 3.2.1.101; exo-1,6- β -mannanase; endo- α -1- \rightarrow 6-D-mannanase; endo-1,6- β -mannanase; mannan endo-1,6- β -mannosidase; 1,6- α -D-mannan mannanohydrolase; 6- α -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.