

Native Helix pomatia β -Mannosidase

Cat. No. NATE-0778

Lot. No. (See product label)

Introduction

Description

Beta-mannosidase is an enzyme with system name beta-D-mannoside mannohydrolase. This enzyme catalyses the following chemical reaction:Hydrolysis of terminal, non-reducing beta-D-mannose residues in beta-D-mannosides. This gene encodes a member of the glycosyl hydrolase 2 family. The encoded protein localizes to the lysosome where it is the final exoglycosidase in the pathway for N-linked glycoprotein oligosaccharide catabolism. Mutations in this gene are associated with beta-mannosidosis, a lysosomal storage disease that has a wide spectrum of neurological involvement.

Synonyms

β -mannosidase; mannanase; mannase; β -D-mannosidase; β -mannoside mannohydrolase; exo- β -D-mannanase; EC 3.2.1.25; 9025-43-8

Product Information

Source

Helix pomatia

Form

ammonium sulfate suspension. Suspension in 3.0 M (NH₄)₂SO₄ containing 10 mM sodium acetate, pH approx. 4.0

EC Number

EC 3.2.1.25

CAS No.

9025-43-8

Activity

5-30 units/mL

Unit Definition

One unit will hydrolyze 1 μ mole of p-nitrophenyl- β -D-mannopyranoside to p-nitrophenol and D-mannopyranoside per min at pH 4.0 at 25°C.

Storage and Shipping Information

Storage

2-8°C