Creative Enzymes®

β-Mannosidase from Cellvibrio japonicus, Recombinant

Cat. No. NATE-1187

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	Cellvibrio japonicus NCIMB 10462
Form	Supplied in 3.2 M ammonium sulphate
EC Number	EC 3.2.1.25
CAS No.	9025-43-8
Molecular Weight	48581.4 Da
Purity	> 95 % as judged by SDS-PAGE

Storage and Shipping Information

Storage	Store at 4°C (shipped at room temperature)