Creative Enzymes®

Native Bovine α-L-Fucosidase

Cat. No. NATE-0266

Lot. No. (See product label)

Introduction

Description	In enzymology, an alpha-L-fucosidase (EC 3.2.1.51) is an enzyme that catalyzes the chemical reaction:an alpha-L-fucoside + H2O↔ L-fucose + an alcohol. Thus, the two substrates of this enzyme are alpha-L-fucoside and H2O, whereas its two products are L-fucose and alcohol. This enzyme belongs to the family of hydrolases, specifically those glycosidases that hydrolyse O-and S-glycosyl compounds. This enzyme participates in n-glycan degradation and glycan structures-degradation.
Synonyms	α-L-Fucosidase; EC 3.2.1.51; α-fucosidase

Product Information

Species	Bovine
Source	Bovine kidney
Form	ammonium sulfate suspension. Suspension in 3.2 M (NH4)2SO4, 10 mM NaH2PO4 10 mM Citrate, pH 6.0
EC Number	EC 3.2.1.51
CAS No.	9037-65-4
Activity	> 2.0 units/mg protein (biuret)
Unit Definition	One unit will hydrolyze 1.0 µmole of p-nitrophenyl α-L-fucoside to p-nitrophenol and L-fucose per min at pH 5.5 at 25°C.

Storage and Shipping Information

Storage	2-8°C