

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 \rightleftharpoons 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 μ mole 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