

## Native Bovine $\alpha$ -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 + H<sub>2</sub>O  $\rightleftharpoons$  L-fucose + an alcohol. Thus, the two substrates of this enzyme are alpha-L-fucoside and H<sub>2</sub>O, 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

$\alpha$ -L-Fucosidase; EC 3.2.1.51;  $\alpha$ -fucosidase

### Product Information

#### Species

Bovine

#### Source

Bovine kidney

#### Form

ammonium sulfate suspension. Suspension in 3.2 M (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, 10 mM NaH<sub>2</sub>PO<sub>4</sub> 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  $\mu$ mole of p-nitrophenyl  $\alpha$ -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