Creative Enzymes®

α(1-2) Fucosidase from Xanthomonas manihotis, Recombinant

Cat. No. NATE-1258

Lot. No. (See product label)

Introduction

Description Alpha-Fucosidase is an enzyme that breaks down fucose. Fucosidosis is an autosomal recessive lysosomal storage disease caused by defective alpha-L-fucosidase with accumulation of fucose in the tissues. Different phenotypes include clinical features such as neurologic deterioration, growth retardation, visceromegaly, and seizures in a severe early form; coarse facial features, angiokeratoma corporis diffusum, spasticity and delayed psychomotor development in a longer surviving form; and an unusual spondylometaphyseoepiphyseal dysplasia in yet another form.

Synonyms α-L-fucoside fucohydrolase; Alpha-Fucosidase; FUCA1; FUCA; EC 3.2.1.51

Product Information

Species Xanthomonas manihotis

Source E. coli

Molecular Weight 70000 daltons

Concentration 20,000 units/ml

Unit Definition One unit is defined as the amount of enzyme required to cleave > 95% of the α-L-fucose from 1 nmol of Fucα1-2Galβ1-4Glc-7-amino-4-methyl-coumarin (AMC), in 1 hour at 37°C in a total reaction volume of 10 µl.

Storage and Shipping Information

Storage 4°C