Creative Enzymes®

(Ara-f)3-Hyp β-L-arabinobiosidase

Cat. No. EXWM-3871

Lot. No. (See product label)

Introduction

Description The enzyme, which was identified in the bacterium Bifidobacterium longum JCM1217, is specific for (Ara-f)3-Hyp, a sugar chain found in hydroxyproline-rich glyoproteins such as extensin and lectin. The enzyme was not able to accept (Ara-f)2-Hyp or (Ara-f)4-Hyp as substrates. In the presence of 1-alkanols, the enzyme demonstrates transglycosylation activity, retaining the anomeric configuration of the arabinofuranose residue.

Synonyms hypBA2 (gene name); β-L-arabinobiosidase

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.2.1.187

Reaction 4-O-(β-L-arabinofuranosyl-(1→2)-β-L-arabinofuranosyl-(1→2)-β-L-arabinofuranosyl)-(2S,4S)-4-hydroxyproline + H2O = 4-O-(β-L-arabinofuranosyl)-(2S,4S)-4-hydroxyproline + β-L-arabinofuranosyl-(1→2)-β-L-arabinofuranose

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.