

fructan β -(2,1)-fructosidase

Cat. No. EXWM-3836

Lot. No. (See product label)

Introduction

Description

Possesses one of the activities of EC 3.2.1.80, fructan β -fructosidase. While the best substrates are the inulin-type fructans, such as 1-kestose [β -D-fructofuranosyl-(2 \rightarrow 1)- β -D-fructofuranosyl α -D-glucopyranoside] and 1,1-nystose [β -D-fructofuranosyl-(2 \rightarrow 1)- β -D-fructofuranosyl-(2 \rightarrow 1)- β -D-fructofuranosyl α -D-glucopyranoside], some (but not all) levan-type fructans can also be hydrolysed, but more slowly [see EC 3.2.1.154, fructan β -(2,6)-fructosidase]. Sucrose, while being a very poor substrate, can substantially inhibit enzyme activity in some cases.

Synonyms

β -(2-1)-D-fructan fructohydrolase; β -(2-1)fructan exohydrolase; inulinase; 1-FEH II; 1-fructan exohydrolase; 1-FEH w1; 1-FEH w2; β -(2-1)-linkage-specific fructan- β -fructosidase; β -(2,1)-D-fructan fructohydrolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.2.1.153

CAS No.

1000593-08-7

Reaction

Hydrolysis of terminal, non-reducing (2 \rightarrow 1)-linked β -D-fructofuranose residues in fructans

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.