

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

**Synonyms**  $\beta$ -(2-1)-D-fructan fructohydrolase;  $\beta$ -(2-1)fructan exohydrolase; inulinase; 1-FEH II; 1-fructan exohydrolase; 1-FEH w1; 1-FEH w2;  $\beta$ -(2-1)-linkage-specific fructan- $\beta$ -fructosidase;  $\beta$ -(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  $\beta$ -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.