Creative Enzymes®

Fructan β-2,1-fructosidase 32A from Paenibacillus polymyxa, Recombinant

Cat. No. NATE-1380

Lot. No. (See product label)

Introduction

Description	Fructan beta-(2,1)-fructosidase (EC 3.2.1.153, 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) is an enzyme with systematic name beta-(2->1)-D-fructan fructohydrolase. This enzyme catalyses the following chemical reaction: Hydrolysis of terminal, non-reducing (2->1)-linked beta-D-fructofuranose residues in fructans. The best substrates are the inulin-type fructans.
Synonyms	Fructan beta-(2,1)-fructosidase; EC 3.2.1.153; 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; beta-(2->1)-D-fructan fructohydrolase

Product Information

Species	Paenibacillus polymyxa
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM $CaCl_2$, 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.153
CAS No.	1000593-08-7
Molecular Weight	38.1 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	7
Optimum temperature	35 °C
Specificity	Fructans

Storage and Shipping Information

Storage	This enzyme is shipped at room temperature but should be stored at -20 °C.