

# exo-INULINASE (Aspergillus niger)

12/23

### Recombinant

**E-EXOIAN** 

EC: 3.2.1.80
Synonyms: fructan beta-fructosidase; beta-D-fructan fructohydrolase
Also assigned to EC: 3.2.1.26
Synonyms: beta-fructofuranosidase; beta-D-fructofuranoside fructohydrolase
CAZy Family: GH32
CAS: 37288-56-5

Refer to the product lot number Certificate of Analysis for lot specific properties.

#### PROPERTIES

#### 1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 58,400)

- Single major band on isoelectric focusing (pl ~ 5.4)

#### 2. SPECIFICITY:

**EC 3.2.1.80;** Hydrolysis of terminal, non-reducing (2,1)- and (2,6)-linked  $\beta$ -D-fructofuranose residues in fructans.

**EC 3.2.1.26;** Hydrolysis of terminal, non-reducing  $\beta$ -D-fructofuranoside residues in  $\beta$ -D-fructofuranosides

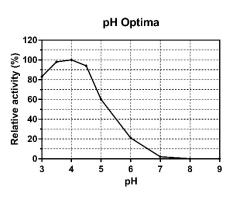
#### 3. PHYSICOCHEMICAL PROPERTIES:

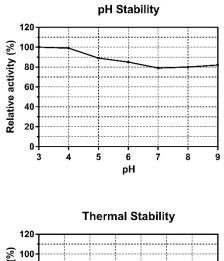
Recommended conditions of use are at pH 3.5-4.5 and up to 40°C-80°CpH Optima:3.5-4.5pH Stability:3.0-9.0 (> 75% control activity after 24 h at 4°C)Temperature Optima:50-60°C (10 min reaction)Temperature Stability:up to 50°C

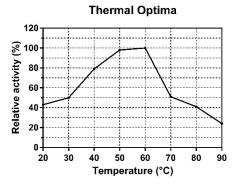
## 4. STORAGE CONDITIONS:

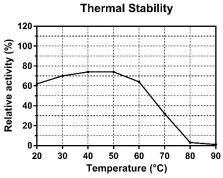
The enzyme is supplied as an ammonium sulphate suspension containing 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium acetate buffer (100 mM), pH 4.5 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.** 

#### 5. EXPERIMENTAL DATA:









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