



High Purity Exo-Inulinase

Product Information

Cat#	DIA-525
Source	Aspergillus niger
Description	High purity recombinant exo-inulinase from Aspergillus niger for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
CAS No.	37288-56-5, 9001-57-4
Activity	~ 1,600 U/mg (60 °C, pH 4.5 on kestose) ~ 800 U/mg (40 °C, pH 4.5 on kestose)
Unit Definition	One unit of exo-inulinase activity is defined as the amount of enzyme required to release one μ mole of β -D-fructose reducing-sugar equivalents per minute from kestose (5 mg/mL) in sodium acetate buffer (100 mM), at pH 4.5 at 40 °C.
Storage	2–8 °C
Synonyms	Fructan β -fructosidase; β -D-fructan fructohydrolase, β -fructofuranosidase; β -D-fructofuranoside fructohydrolase
Enzyme Commission Number	EC 3.2.1.80
Stability	> 1 year under recommended storage conditions
Optimum temperature	60 °C
Buffer	3.2 M ammonium sulphate
Applications	Applications established in food industry for fructose syrup production and in the analysis industry for the measurement of fructans and inulins.
Molecular Weight	58400 Da



Creative Enzymes

Diagnostic Enzymes

High Purity Exo-Inulinase

Concentration ~ 2,000 U/mL (40 °C, pH 4.5 on kestose)

Specificity EC 3.2.1.80: Hydrolysis of terminal, non-reducing (2,1)- and (2,6)-linked β -D-fructofuranose residues in fructans.
EC 3.2.1.26: Hydrolysis of terminal, non-reducing β -D-fructofuranoside residues in β -D-fructofuranosides.
