Creative Enzymes
Diagnostic Enzymes

Liquid Ultrapure Recombinant Endo-Inulinase and Exo-Inulinase Mixture

Product Information

Cat#	DIA-529
Source	Aspergillus niger
Description	Liquid ultrapure endo-inulinase and exo-inulinase mixture for use in research, biochemical enzyme assays and analytical testing applications.
Form	Solution
CAS No.	9001-57-4, 9025-67-6, 37288-56-5
Unit Definition	Endo-inulinase: One unit of endo-inulinase activity is defined as the amount of enzyme required to release one µmole of β-D-fructose reducing-sugar equivalents per minute from inulin (20 mg/mL) in sodium acetate buffer (100 mM), pH 4.5. Exo-inulinase: One unit of exo-inulinase activity is defined as the amount of enzyme required to release one µmole 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	Below -10 °C
Synonyms	Endo-inulinase: 1-β-D-fructan fructanohydrolase Exo-inulinase: fructan β-fructosidase
Enzyme Commission Number	EC 3.2.1
Stability	> 1 year under recommended storage conditions
Optimum pH	4.5
Optimum temperature	60 °C
Buffer	50% (v/v) glycerol plus 0.02% sodium azide
Applications	Applications in carbohydrate research and in the food industry.

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