

Endo-1,3-Beta-D-Glucanase from Barley

Product Information

Cat#	DIA-520
Source	Hordeum Vulgare
Description	High purity recombinant endo-1,3- β -glucanase (barley) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Solution
Activity	~ 100 U/mg (40 °C, pH 5.0 on laminarin)
CAS No.	9025-37-0
Optimum temperature	50 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	One unit of endo-1,3- β -D-glucanase activity is defined as the amount of enzyme required to release one μ mole of glucose-reducing-sugar equivalents per minute in the presence of laminarin (10 mg/mL) in sodium acetate buffer (100 mM), pH 5.0 at 40 °C.
Storage	Below -10 °C
Synonyms	Glucan endo-1,3- β -D-glucosidase; 3- β -D-glucan glucanohydrolase
Buffer	50% (v/v) glycerol
Applications	Applications in carbohydrate and biofuels research and in the food and feeds industry.
Molecular Weight	34100 Da
Concentration	~ 2100 U/mL
Specificity	Endo-hydrolysis of (1,3)- β -D-glucosidic linkages in (1,3)- β -D-glucans.