

High Purity Xyloglucan-Specific Endo-Beta-1,4-Glucanase

Product Information

Cat#	DIA-541
Source	Paenibacillus sp.
Description	High purity recombinant xyloglucanase (xyloglucan-specific endo-beta-1,4-glucanase) from Paenibacillus sp. for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
CAS No.	76901-10-5
Activity	~ 78 U/mg (40 °C, pH 5.5 on tamarind xyloglucan)
Unit Definition	One unit of xyloglucanase activity is defined as the amount of enzyme required to release one μ mole of glucose reducing-sugar equivalents per minute from xyloglucan (5 mg/mL) in sodium acetate buffer (100 mM), pH 5.5 at 40 °C.
Storage	2–8 °C
Synonyms	Xyloglucan-specific endo- β -1,4-glucanase; [(1 \rightarrow 6)- α -D-xylo]-(1 \rightarrow 4)- β -D-glucan glucanohydrolase
Stability	> 1 year under recommended storage conditions
Optimum temperature	50 °C
Buffer	3.2 M ammonium sulphate
Applications	Applications in carbohydrate and biofuels research.
Molecular Weight	42300 Da
Concentration	~ 1000 U/mL
Specificity	Endo-hydrolysis of 1,4- β -D-glucosidic linkages in xyloglucan.