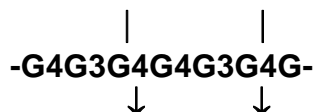

**(1→3,1→4)-β-D-GLUCAN HYDROLASE
FROM BACILLUS SUBTILIS
(EC 3.2.1.73)**

FOR RESEARCH PURPOSES ONLY

Cat. No. 200-1

SPECIFICITY

This enzyme will hydrolyse β-glucans containing both (1→3)- and (1→4)-β-glycosidic linkages in a linear sequence, but will not hydrolyse (1→3)-glucans or (1→4)-glucans which are homogeneous with respect to linkage type. Its specificity requirement is for 4-O-β-glucosyl laminaribiosyl residues in the sequence:



ACTIVITY

240 units per mg protein.

Supplied in 40% ethanol, 25mM acetate buffer
pH4.2, 2.5mM NaN₃, 45mM CaCl₂.

UNIT DEFINITION

One unit liberates 1.0μmole reducing sugar (as glucose) per minute from barley glucan at pH5.0 at 40°C.

REFERENCE

- Anderson, M.A. & Stone, B.A. (1975). *FEBS Lett.* 52: 207-209.
Anderson, M.A., Cook, J.A. & Stone, B.A. (1978). *J. Inst. Brew.* 84: 233-239.

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