

## High Purity Endo-1,3(4)-Beta-Glucanase

### Product Information

<b>Cat#</b>	DIA-519
<b>Source</b>	Trichoderma sp.
<b>Description</b>	High purity endo-1,3(4)- $\beta$ -glucanase from Trichoderma sp. for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
<b>Form</b>	Suspension
<b>CAS No.</b>	9025-37-0
<b>Activity</b>	> 30 U/mg (40 °C, pH 4.5 on Curdlan)
<b>Unit Definition</b>	One unit of endo-1,3(4)- $\beta$ -D-glucanase activity is defined as the amount of enzyme required to release one $\mu$ mole of glucose-reducing-sugar equivalents per minute in the presence of Curdlan (5 mg/mL) in sodium acetate buffer (200 mM) at pH 4.5 and 40 °C.
<b>Storage</b>	2–8 °C
<b>Synonyms</b>	Glucan endo-1,3- $\beta$ -D-glucosidase; 3- $\beta$ -D-glucan glucanohydrolase
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Optimum temperature</b>	40 °C
<b>Buffer</b>	3.2 M ammonium sulphate
<b>Applications</b>	Applications in carbohydrate and biofuels research and in the food and feeds industry.
<b>Molecular Weight</b>	32000 Da
<b>Concentration</b>	~ 50 U/mL
<b>Specificity</b>	Hydrolysis of (1,3)- $\beta$ -D-glucosidic linkages in (1,3)- $\beta$ -D-glucans.