

High Purity Cellobiohydrolase I

Product Information

Cat#	DIA-516
Source	Trichoderma longibrachiatum
Description	High purity cellobiohydrolase I from Trichoderma longibrachiatum for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
CAS No.	37329-65-0
Activity	~ 0.1 U/mg (40 °C, pH 4.5 on p-nitrophenyl- β -lactoside)
Unit Definition	One unit of cellobiohydrolase I activity is defined as the amount of enzyme required to release one μ mole of p-nitrophenol (pNP) per minute from p-nitrophenyl- β -lactoside (2.5 mg/mL) in sodium acetate buffer (100 mM), pH 4.5 and 40 °C.
Storage	2–8 °C
Synonyms	1,4- β -D-glucan cellobiohydrolase I
Enzyme Commission Number	EC 3.2.1.176
Stability	> 1 year under recommended storage conditions
Optimum temperature	70 °C
Buffer	3.2 M ammonium sulphate
Applications	Applications established in analysis and research within the textiles, food and feed, carbohydrate and biofuels industries.
Molecular Weight	65000 Da
Concentration	~ 0.1 U/mL
Specificity	Hydrolysis of (1,4)- β -D-glucosidic linkages in cellulose and cellotetraose, releasing



Creative Enzymes

Diagnostic Enzymes

High Purity Cellobiohydrolase I

cellobiose from the non-reducing ends of the chains. Active on pNP β -lactoside.

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