

## Cellobiohydrolase I from *Trichoderma longibrachiatum*

### Product Information

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