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[\[PDF \(196K\)\]](#) [\[References\]](#)**Expression of a Cellobiohydrolase cDNA from the White Rot Fungus
Irpex lacteus in *Aspergillus oryzae***Hiroshi Toda¹⁾, Satoshi Takada¹⁾, Yoshihiko Amano²⁾, Takahisa Kanda²⁾, Mitsuo Okazaki¹⁾ and Makoto Shimosaka¹⁾

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A cDNA (*cel2*) coding for an exo-type cellobiohydrolase was isolated from the basidiomycete *Irpex lacteus* strain MC-2. The *cel2* cDNA was expressed in a heterologous host *Aspergillus oryzae* by using an expression vector pNAN-8142. A recombinant cellobiohydrolase was secreted in culture fluid of *A. oryzae* transformant cells with the aid of a signal sequence of the *cel2* gene. The recombinant cellobiohydrolase purified from the culture fluid exhibited similar enzymatic properties to those of a major cellobiohydrolase (Ex-1) previously purified and characterized from Driselase (a commercial enzyme produced by strain MC-2).

Key words: cellobiohydrolase, *Irpex lacteus*, heterologous gene expression[\[PDF \(196K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)

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