

PURIFICATION AND PROPERTIES OF AN ENDOGLUCANASE FROM ASPERGILLUS ORYZAE VTCC-F045

Huu Quan Nguyen, Dinh Thi Quyen

TÓM TẮT:

An extracellular endoglucanase (EG) from *Aspergillus oryzae* VTCC-F045 was purified 2.6-fold to homogeneity throughout Sephadex G100 gel filtration chromatography. Purified EG had a specific activity of 40.36 U/mg protein and a molecular mass of 36 kDa. Optimum temperature and pH were 55°C and 5.5, respectively. The enzyme was stable at up to 55°C and in pH range 5.0-6.0 with a residual activity of over 60% for 6 hours treatment. Metal ions, EDTA, organic solvents and detergents inhibited the enzyme

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