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Isolation and Characterization of Novel Strain, *Acinetobacter* sp. DYL129 Producing Lipase

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A lipase-producing novel strain was isolated from a soil sample collected in Deog-yu mountain. DYL129 which strongly had a lipase activity was identified as *Acinetobacter* sp. DYL129 by 16S rRNA gene analysis. DYL129 was tested to determine lipase activity by using an agar plate containing insoluble 1% tributyrin as an indicative substrate. The crude lipase was optimally activity at pH 7.0 at 50°C, retaining over 90% activity at 60°C and 40% at pH 10.2 using pNP-laurate as a substrate. Also, the genes were isolated from a genomic DNA by southern hybridization using partial lipase gene, PCR product. The genes encoding the lipase (LipA) and lipase chaperone (LipB) from *Acinetobacter* sp. DYL129 were cloned and sequenced.