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Antibacterial, antifungal and anticoagulant activities of chicken PLA2 group V expressed in *Pichia pastoris*

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Highlights

- This study describes the expression of group V secreted PLA2 in *Pichia pastoris*.
- Purification, biochemical and biological characterization of PLA2-V is studied.
- Antibacterial, antifungal and anticoagulant activities of ChPLA2-V

Abstract

Secretory class V phospholipase A2 (PLA2-V) has been shown to be involved in inflammatory processes in cellular studies, but the biochemical and physical properties of this important enzyme have been unclear. As a first step towards understanding the structure, function and regulation of this PLA2, we report the expression and characterization of PLA2-V from chicken (ChPLA2-V). The ChPLA2-V cDNA was synthesized from chicken heart

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