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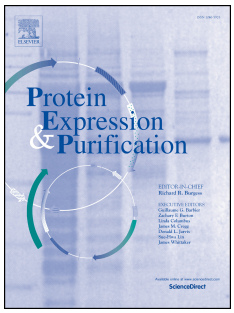

Efficient production of a recombinant *Venerupis philippinarum* defensin (VpDef) in *Pichia pastoris* and characterization of its antibacterial activity and stability

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Highlights

- The recombinant defensin VpDef was for the first time expressed in *Pichia pastoris*.
- The optimal culture condition for recombinant VpDef expression was determined.
- Recombinant VpDef had a potent activity against bacteria, especially *E. coli* O157.
- Recombinant VpDef had good stability and low hemolysis activity.