

# Secretion of the Antibacterial Recombinant Protein Enbocin

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The insect baculovirus expression vector system (BEVS) is useful for the production of biologically active recombinant proteins. However, the overexpression of foreign proteins in this system often results in misfolded proteins and the formation of protein aggregates. To overcome this limitation, we have developed a versatile baculovirus expression and secretion system using the *Bombyx mori* protein disulfide isomerase (bPDI) as a fusion partner. bPDI gene fusion improved the secretion and antibacterial activity of recombinant enbocin proteins. Thus, bPDI gene fusion is a useful addition to the BEVS for the large-scale production of bioactive recombinant proteins.

**Key words:** Baculovirus Expression Vector System (BEVS), *Bombyx mori*, Enbocin, Protein Disulfide Isomerase (PDI)