

Expression of a New Viral Enhancing Factor (Enhancin) Gene of *Lymantria dispar* Nucleopolyhedrovirus

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An *enhancin* gene that is capable of enhancing the infection of other baculoviruses, has been identified from *Lymantria dispar* nucleopolyhedrovirus isolated in Korea (LdNPV-NM). The *enhancin* gene was cloned by PCR and its nucleotide and amino acid sequences were determined. The LdNPV-NM *enhancin* gene was composed of 2,352 nucleotides and encoded 783-amino acids. The *enhancin* gene was inserted into pBacPAK9 transfer vector, under the control of the polyhedrin promoter, and cotransfected into Sf9 insect cells with bAcGOZA. The recombinant virus was purified by end-point dilutions. The expressed enhancin was estimated 89 kDa in size by SDS-PAGE.