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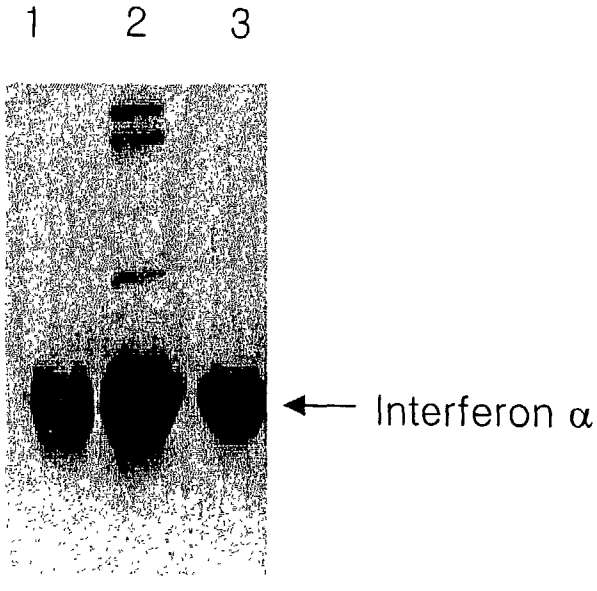
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(54) Title: EXPRESSION AND SECRETION VECTOR FOR HUMAN INTERFERON ALPHA AND PROCESS FOR PRODUCING HUMAN INTERFERON ALPHA BY EMPLOYING SAME



(57) Abstract: Disclosed in this invention are: an expression vector for the secretive production of human interferon alpha (hIFNα) comprising a polynucleotide encoding a modified *E. coli* thermostable enterotoxin II signal sequence and a polynucleotide encoding hIFNα) ligated to the 3'-end thereof; a microorganism transformed with the expression vector; and a process for secretively producing human interferon by culturing the microorganism, said process being capable of secreting a soluble form of active hIFNα), which does not contain an additional methionine residue at its N-terminal, into the periplasm of an *E. coli* cell.

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