Abstract

WEST NILE VIRUS VACCINE, AND METHOD FOR PRODUCTION THEREOF

The present invention provides virus-like particles (VLP) highly secreting or producing signal peptide obtained by altering a signal sequence derived from West Nile virus (WNV), the signal peptide, a WNV VLP secretion expression vector containing a nucleic acid encoding prM protein and E protein, a WNP VLP highly secreting or producing animal cell line harboring the vector, a WNV vaccine containing WNV VLP obtained by the cell line as an active ingredient, and a WNV DNA vaccine containing the VLP secretion expression vector as an active ingredient.