an amino acid sequence which has a sequence identity of 90% or more with an amino acid sequence represented by any one of SEQ ID Nos.2, 4, 8, 10, 14 and 16.

[Claim 12]

An isolated nucleic acid molecule comprising a nucleotide sequence that encodes the flavivirus structural protein contained in the virus like particle according to any one of Claims 1-11.

[Claim 13]

An isolated nucleic acid molecule consisting of a nucleotide sequence which has a sequence identity of 90% or more with a nucleotide sequence ~~encoding~~ represented by any one of SEQ ID Nos.1, 3, 7, 9, 13 and 15.

[Claim 14]

An isolated nucleic acid molecule according to Claim 12, which is consisting of a nucleotide sequence represented by any one of SEQ ID Nos.1, 3, 7, 9, 13 and 15.

[Claim 15]

A vector comprising the nucleic acid molecule according to Claim 12, wherein the vector optionally comprises an expression control sequence operably linked to the nucleic acid molecule.

[Claim 16]

A pharmaceutical composition comprising:

(a) the virus like particle according to any one of Claims 1-11 and/or the nucleic acid molecule according to any one of Claims 12-15; and

(b) a pharmaceutically acceptable carrier.

[Claim 17]

A vaccine composition comprising the virus like particle according to any one of Claims 1-11.

[Claim 18]

A DNA vaccine composition comprising the nucleic acid molecule according to any one of Claims 12-15.

[Claim 19]

A method of producing an antibody, comprising contacting the virus like particle according to any one of Claims 1-11 and/or the nucleic acid molecule according to any one of Claims 12-15 to a mammal.

[Claim 20]

A method of treating or preventing a disease or condition caused by flavivirus infection, comprising administering an effective amount of the composition of any one of claims 16-18 to a mammal subject in need thereof.

[Claim 21]

A method for producing the virus like particle according to any one of Claims 1-11, comprising culturing a cell which is transfected with a gene encoding the at least one flavivirus structural proteins contained in the virus like particle according to any one of claims 1-11; and recovering virus like particle from the cell culture.

[Claim 22]

The virus like particle of any of claims 1-11, for use in a method or kit of diagnosing flavivirus infection in a mammal.