ABSTRACT

RECOMBINANT ZIKA VACCINES

The present invention relates to the provision of immunogenic or vaccine compositions comprising at least one recombinant Zika virus antigen, wherein the at least one recombinant Zika virus antigen is encoded by at least one nucleic acid sequence encoding at least one E-protein of a Zika virus or a functional fragment thereof. Further provided are nucleic acid molecules and a recombinant chimeric virus encoding and/or comprising selected antigens from a Zika virus, which are suitable as vaccine compositions. Preferably, the sequences encoding at least one Zika virus antigens suitable for eliciting an immune response are operably linked to a non-flavivirus derived vector backbone. Further provided are methods for purifying the recombinant chimeric virus particles or the immunogenic composition. Finally, there is provided an immunogenic/vaccinecomposition for use in a method of preventing or treating a Zika virus disease.

Figure for publication: None