

ABSTRACT

MRNA VACCINE AGAINST HERPES ZOSTER AND PREPARATION METHOD THEREFOR

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The present invention relates to the field of nucleic acid vaccines, and in particular to an mRNA vaccine against the herpes zoster virus and a preparation method therefor. The main components of the vaccine of the present invention comprise mRNA encoding the varicella zoster virus glycoprotein gE or a variant thereof and a lipid nanoparticle. The glycoprotein gE

10 variant mRNA comprises a coding region encoding a VZV glycoprotein E (gE protein) extracellular domain and transmembrane domain, or a coding region composed of the extracellular domain and the transmembrane domain, and does not encode an intracellular domain of the gE protein; or comprises mRNA encoding VZV gE protein having a mutation site.

15 [FIG. 8]