

ABSTRACT OF THE DISCLOSURE

The present invention relates to a preparation method of protein vaccines, and comprises the steps of: (a) providing at least one amino acid sequence of an epitope of a target antigen protein; (b) converting the amino acid sequence into a nucleic acid sequence and modifying the codons; (c) 5 synthesising a plurality of primers of the modified nucleic acid sequence; (d) synthesising the modified nucleic acid sequence *in vitro*; (e) inserting the synthesized fragment of the modified nucleic acid sequence into a plasmid; (f) transforming the plasmid into a host cell to produce the modified nucleic acid encoded epitope peptide; and (g) collecting and purifying the produced 10 peptide.

Figure 14