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(54) Title: TETANUS VACCINE PLATFORM FOR EMBEDDING COVID-19 VACCINE

(57) Abstract: A Detoxified recombinant tetanus neurotoxin (DrTeNT) prepared by mutation of the active site amino acid residues is an effective vaccine candidate, and is to be used for embedding epitopes of SARS-CoV-2 vims protein for vaccination against Covid-19. DrTeNT is a risk-free vaccine, free of formalin or any other chemical adjuvants. The gene clone of DrTeNT has been used to insert DNA sequences corresponding to the most suitable epitopes of SAR-CoV-2 vims. The resultant combo vaccine is to have higher efficacy for DrTeNT acts as adjuvant, and higher safety as most of the population preimmunized with tetanus vaccine.

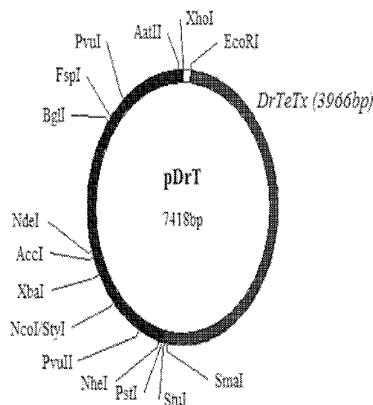


FIG. 1

WO 2021/248145 A2