

## **Abstract**

### **VACCINES AND COMPOSITIONS BASED ON SARS-COV-2 S PROTEIN**

5        This application provides vaccines and compositions based on SARS-CoV-2 S protein, and  
specifically relates to recombinant SARS-CoV-2 spike protein (S protein) and Mrna and DNA  
coding thereof. This disclosure also relates to recombinant plasmid comprising DNA sequence  
encoding recombinant S protein. This disclosure further relates to composition comprising the  
recombinant S protein and/or Mrna mentioned above, Mrna-carrier particle such as lipid  
10    nanoparticle (LNP), and composition such as a vaccine composition.

No Suitable Figure