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(54) Title: MULTICISTRONIC VACCINE AND METHODS FOR PRODUCING AND USING THE SAME

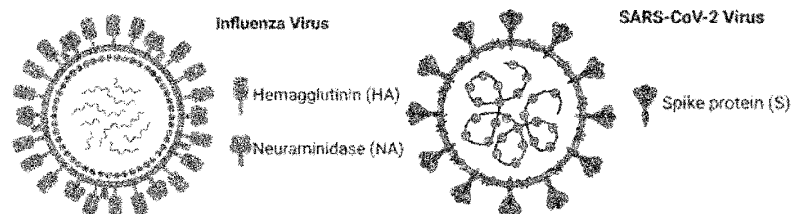


FIG. 1

(57) Abstract: The present disclosure provides multi ci str onic vaccines and method for producing and using the same in preventing infection or transmission, or reducing severity of disease caused by influenza and/or SARS-Cov-2 virus in a subject. Multicistronic vaccines of the disclosure can be administered via intramuscular, intranasal, or inhalation route. In one particular embodiments, the disclosure provides a recombinant adenovirus comprising at least two different extraneous oligonucleotides that are capable of stimulating an immune response in a subject. Each of the oligonucleotide independently comprises an oligonucleotide that encodes either influenza or SARS-Cov-2 virus antigens.



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