TITLE OF THE INVENTION

RECOMBINANT SUBUNIT DENGUE VIRUS VACCINE

ABSTRACT OF THE DISCLOSURE

The present invention provides dengue virus vaccines and immunogenic compositions for administration to human subjects. The vaccine compositions of the present invention comprise recombinantly produced monomeric and/or dimeric forms of truncated dengue virus envelope glycoprotein that, when formulated together with an adjuvant and a pharmaceutically acceptable carrier, induce balanced tetravalent immune responses. In preferred embodiments of the compositions described herein, the DEN4 protein component is a dimeric form of DEN4. The compositions are designed to be acceptable for use in the general population, including immunosuppressed, immunocompromised, and immunosenescent individuals. Also provided herein are methods of inducing a protective immune response in a human patient population by administering the compositions described herein to the patients.

(No suitable figure)