ABSTRACT

CDNA SEQUENCE OF DENGUE VIRUS SEROTYPE 1 (SINGAPORE STRAIN)

DEN1-S275/90 (ECACC V92042111) is a new strain of Dengue virus serotype 1. The complete cDNA sequence of this virus has been cloned and protein-coding fragments thereof have been used in the construction of expression plasmids. DEN1-S275/90 in inactivated form, DEN1-S275/90 polypeptides or fusion proteins thereof can be incorporated into vaccines for immunisation against DEN1-S275/90 and other DEN1 viruses. The invention further provides diagnostic reagents e.g. labelled antibodies to DEN1-S275/90 proteins, and kits to detect DEN1 virus.

FIGURE 1