Abstract

Provided are a recombinant Newcastle disease virus and a preparation method therefor, a recombinant plasmid, and use of the recombinant Newcastle disease virus or the recombinant plasmid. The recombinant Newcastle disease virus is obtained by replacing an F protein of a Newcastle disease virus lasota with an F protein encoded by a DNA as set forth in SEQ ID NO: 1 at positions 7274-8935 from a 5'-terminus. The recombinant Newcastle disease virus is safe and capable of effectively inhibiting tumour cells and promoting tumour cell apoptosis.

FIG. 9