

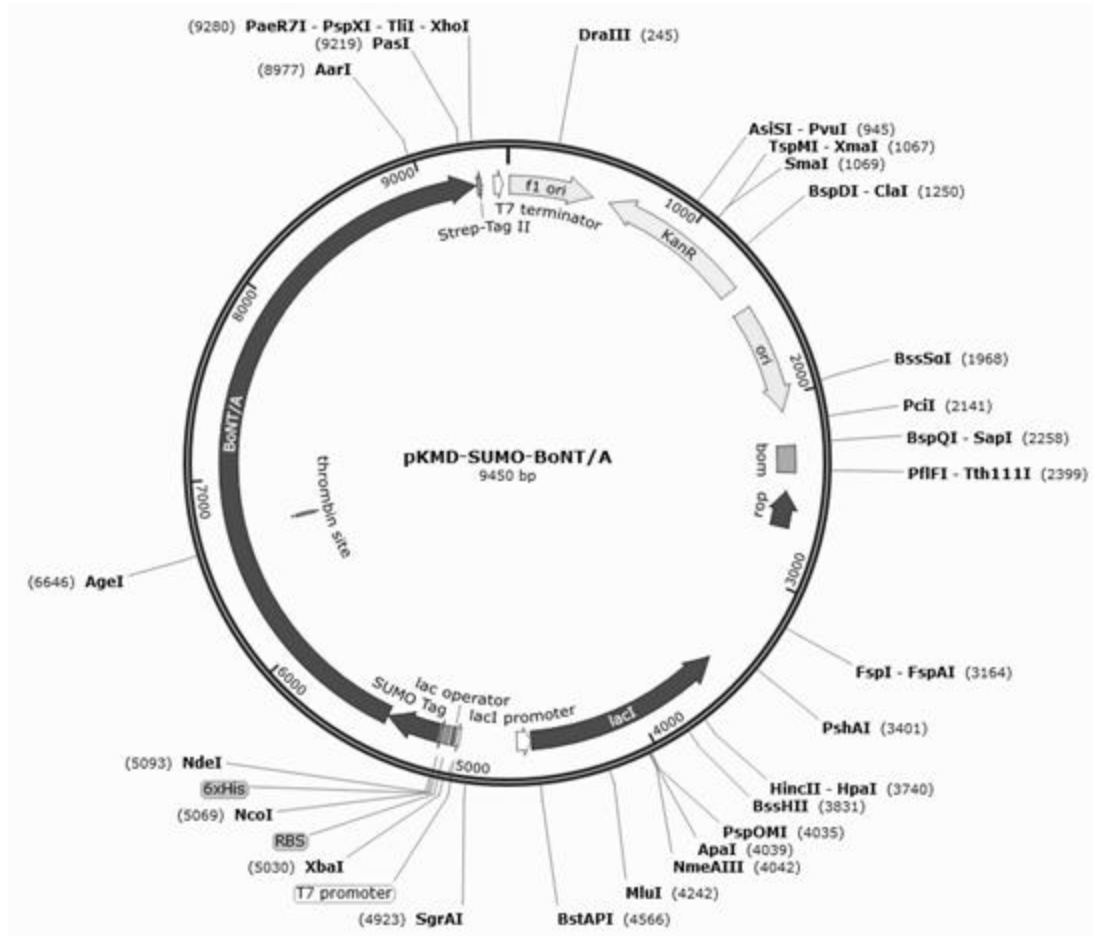


FIG. 1

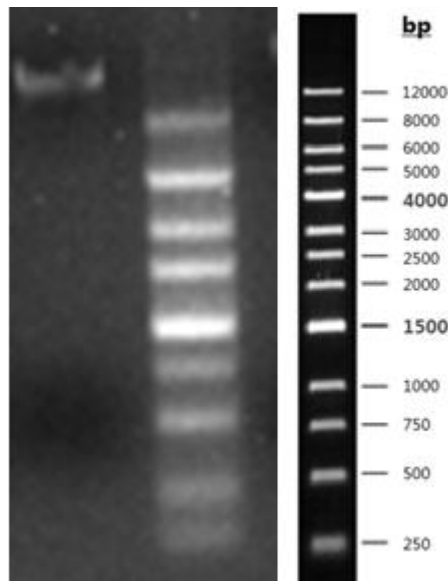
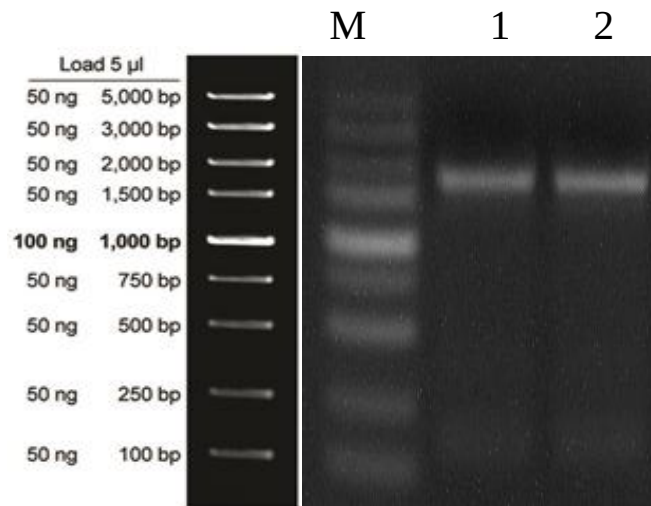


FIG. 2

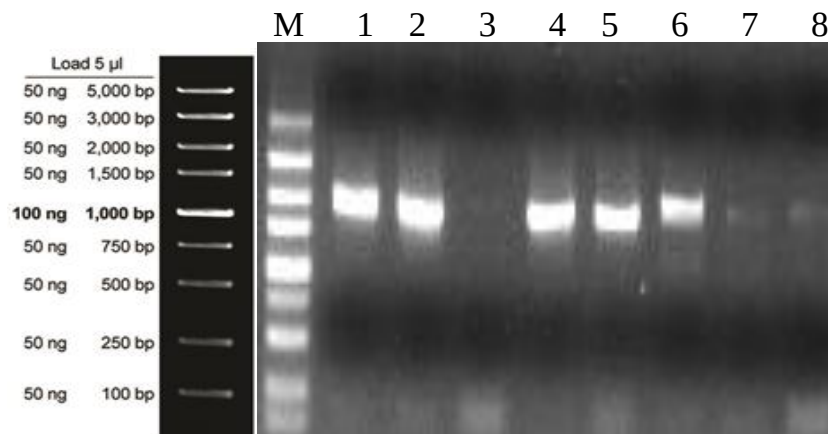


M: Marker

Lane 1: Fragment 1

Lane 2: Fragment 2

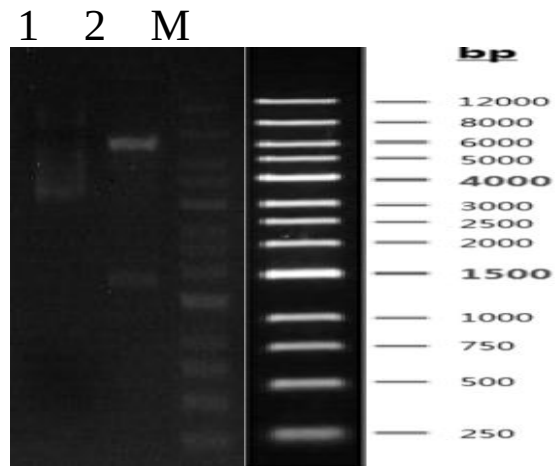
FIG. 3



M: Marker

Lanes 1 to 8: Different transformants

FIG. 4

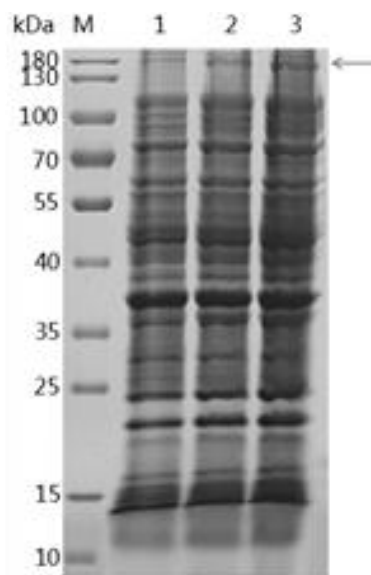


M: Marker

Lane 1: Plasmid before enzymatic cleavage

Lane 2: Plasmid after enzymatic cleavage

FIG. 5

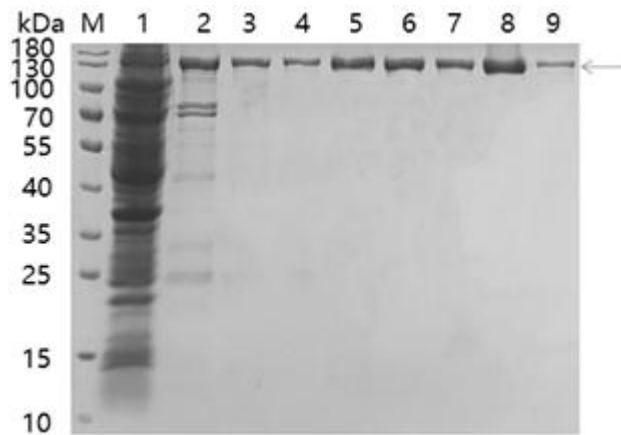


M: Marker

Lane 1: Uninduced control

Lanes 2 to 3: Different transformed BL21 single colonies

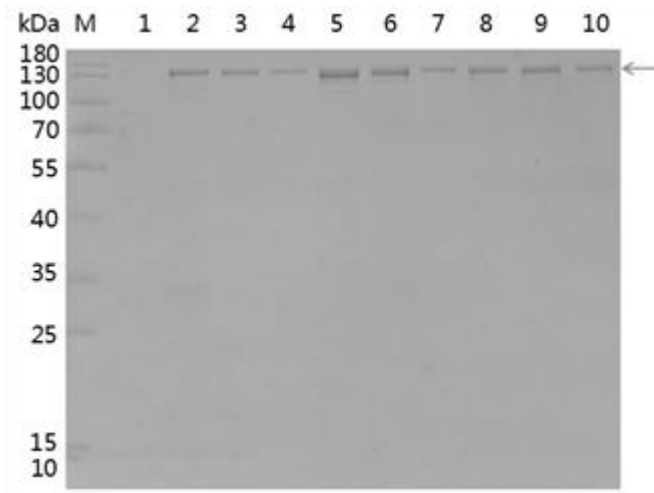
FIG. 6



M: Marker

Lanes 2 to 9: BoNT/A protein of interest

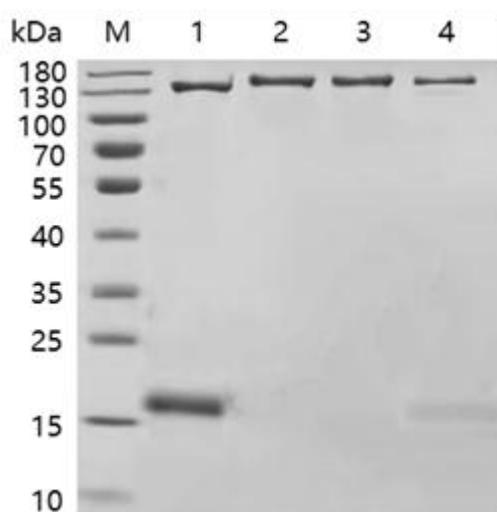
FIG. 7



M: Marker

Lanes 2 to 10: BoNT/A protein of interest

FIG. 8



M: Marker

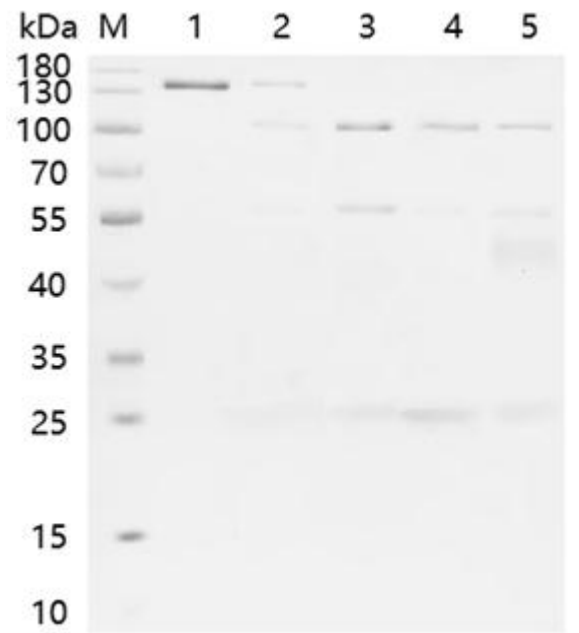
Lane 1: Supernatant-purified BoNT/A after enzymatic cleavage by SUMO protease

Lane 2: Supernatant-purified BoNT/A protein with SUMO tag

Lane 3: Inclusion body-purified BoNT/A protein with SUMO tag

Lane 4: Inclusion body-purified BoNT/A after enzymatic cleavage by SUMO protease

FIG. 9



M: marker

Lane 1: 0 U thrombin

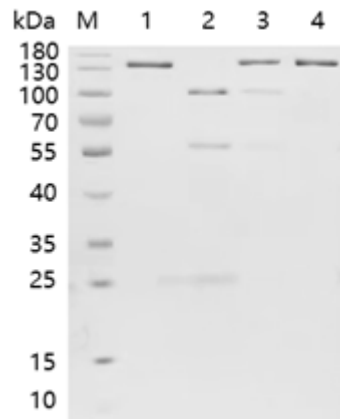
Lane 2: 0.5 U thrombin

Lane 3: 1 U thrombin

Lane 4: 2 U thrombin

Lane 5: 3 U thrombin

FIG. 10



M: marker

Lane 1: Purified sample from supernatant

Lane 2: Purified sample from supernatant after activation by thrombin

Lane 3: Purified sample from inclusion bodies after activation by thrombin

Lane 4: Purified sample from inclusion bodies

FIG. 11