

pNBT-003

Catalog Number: VEC-RUO-0002

Specification: TMV-based viral expression vector

Viral Packaging:

TMV-based

Expression Insert:

GFP

Fluorescent Label:

Not Applicable

Selection Marker:

Kanamycin Resistance, Tetracycline Resistance

Cloning Sites:

PacI/XhoI

Storage:

Store the vector DNA at -20 °C

Vector Map:

Feature:

The pNBT-003 viral expression vector contains truncated TMV-RdRP and replicase driven by double 35S promoter. It also has a TMV movement protein to drive transport of the viral replication cassette and the transgene to the neighboring cells directly through plasmodesmata, bypassing the host cell wall barrier. It also has HCPro gene-silencing suppressor cassette, which helps in suppressing the gene-silencing machinery of the plants.

The vectors, methods, plants and/or portions thereof are protected by one or more U.S. patents selected from: 7,012,172, 7,491,509, 7,683,238, 7,692,063, 8,058,511, 8,597,942, 8,951,791, 9,551,001, or 9,765,349, and patents pending.

