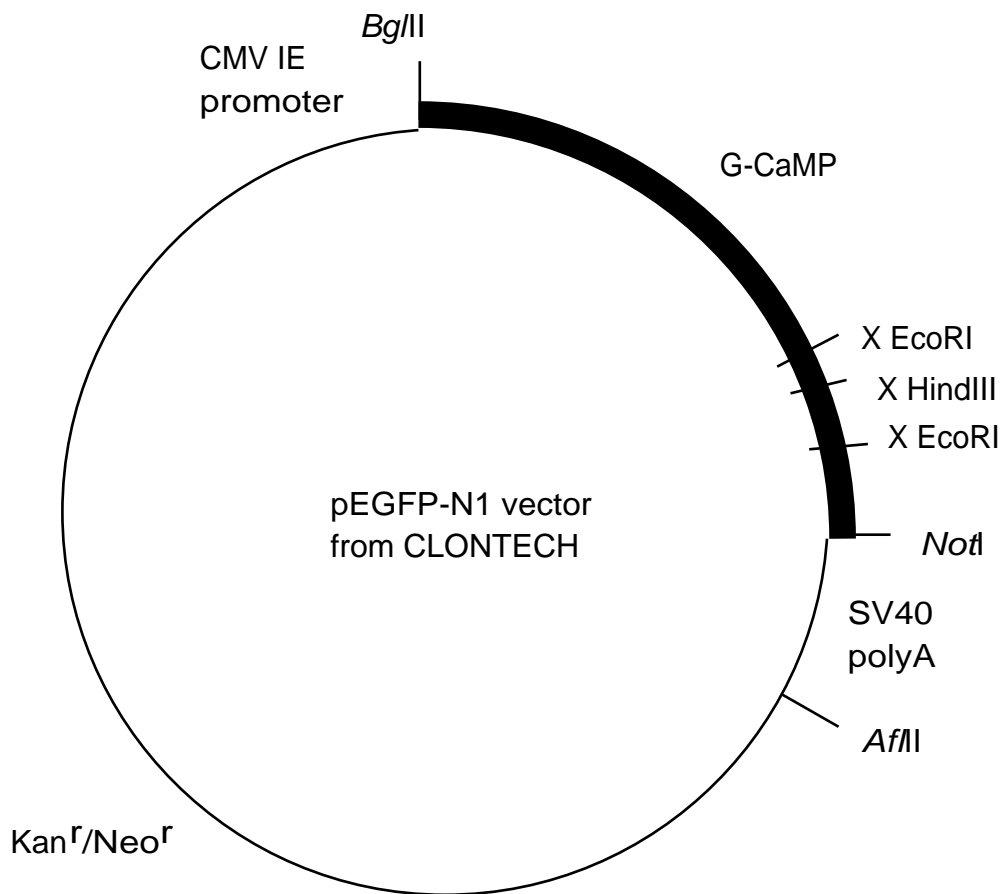
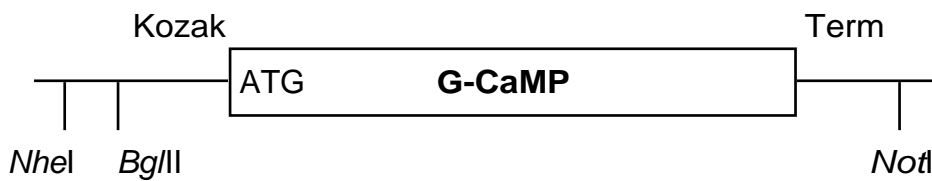


pN1-G-CaMP1.3

produces an identical amino acid sequence but does not have EcoRI or HindIII.

vector: pEGFP-N1 (CLONTECH: GenBank Accession# U55762)

Cutting out: NheI (or BglII) - NotI



Host: DH5 α , HB101 and other general purpose strains.

Selection marker: Kanamycin (30 μ g/ml) to E. coli host;

Neomycin to mammalian cells

The protein has proper conformation at 28 $^{\circ}$ C but not at 37 $^{\circ}$ C.

ref.

A high signal-to-noise Ca²⁺ probe composed of a single green fluorescent protein

Junichi Nakai, Masamichi Ohkura, Keiji Imoto

Nature Biotechnology Volume 19 Number 2 Page 137 - 141 (2001)