

pEGFP-N2 fluorescent expression vector

Item No. : P6440

Specification: 2μg(20μL)

Save: -20°C

Carrier information:

Promoter: CMV

Replicator: pUCori,flori

Terminator: SV40poly(A)

Carrier alias: pEGFPN2, pEGFPN2

Vector classification: mammalian cell expression vector, fluorescent protein reporter vector

Vector size: 4737bp

Carrier label: C-EGFP

Prokaryotic resistance: Kanamycin

Screening marker: Neomycin /G418 genetic mycin

Clonal strain: DH5α

Host of expression: mammalian cells

Culture condition: 37°C, LB medium

5' sequencing primer: CMV-F: 5'-CGCAAATGGGCGGTAGGCGTG-3'

3' sequencing primer: EGFP-N: 5'-CGTCGCCGTCCAGCTCGACCAG-3'

Vector introduction:

pEGFP-N2 encodes a red-shifted variant of wild-type GFP (1–3) which has been optimized for brighter fluorescence and higher expression in mammalian cells. (Excitation maximum = 488 nm; emission maximum = 507nm.) pEGFP-N2 encodes the GFPmut1 variant which contains the double-amino-acid substitution of Phe-64 to Leu and Ser-65 to Thr.

