

Product datasheet for PS100124

pEntry-rtTA Inducible Expression Vector

Product data:

Product Type: Inducible Expression Vectors

C-Tag: Myc-DDK

E. coli Selection: Kanamycin (25 ug/mL)

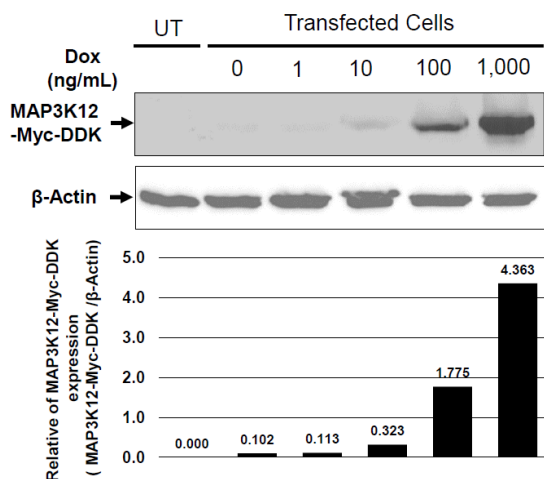
Mammalian Cell Selection: Neomycin

Features: This vector is a tetracycline-inducible mammalian expression vector. ORFs cloned in this vector will be expressed under tetracycline-inducible promoter as a fusion protein with the C-terminal Myc-DDK tags. (DDK is the same as FLAG® which is a registered trademark of Sigma Aldrich).

- TRE_F (GE100141) Primer can be used to sequence the target sequence after cloning.
- Myc_R (GE100143) Primer can be used to sequence the target sequence after cloning.

Schematic of the multiple cloning sites:

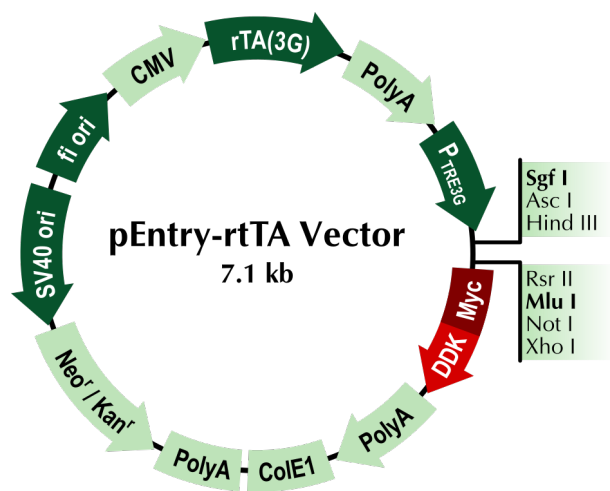
Product images:



Effects of doxycycline on expression of MAP3K12-Myc-DDK protein by Western blotting analysis. pEntry-rtTA-MAP3K12-Myc-DDK (PS100124, OriGene) transfected HEK293T cells were treated with increasing doxycycline (Dox) concentrations (0, 1, 10, 100 and 1,000 ng/mL) for 72 hrs. Untransfected (UT) and transfected cells were lysed and analyzed using Western blot with DDK (FLAG)-specific antibody TA50011, OriGene). 30 μ g of proteins were loaded on each lane. Anti- β -Actin mouse mAb ([TA811000], OriGene) was used as loading control for Western blot. Bar graphs represent relative MAP3K12-Myc-DDK expression normalized with β -Actin.



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Kozak Consensus

BamH I Kpn I Sgf I Asc I Hind III
 GGATCCTGGTACCGAGGAGATCTGCCGCCGGATCGCCGGCGGCCAGATCTCAAGCTTAACTA

Nhe I Rsr II Mlu I Not I Xho I Myc Tag
 GCTAGCGGACCGACGCGTACGCCGCTCAGCAGAAAATC ATC TCA GAA GAG GAT CTG

T R T R P L E Q K L I S E E D L

EcoR V DDK Tag Pme I Fse I
 GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC

A A N D I L D Y K D D D D K V stop