Product datasheet for **PS100125**

**pCMV6-AC-GFP-rtTA Inducible Expression Vector**

**Product data:**

**Product Type:** Inducible Expression Vectors  
**C-Tag:** tGFP  
**E. coli Selection:** Ampicillin  
**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 tGFP tags.

**Schematic of the multiple cloning sites:**

**Product images:**

Induced GFP expression in HEK293T cells transfected with PS100125 and treated with doxycycline (Dox) for 2 days.

+ 0 ng/ml, Dox  
+ 1 ng/ml, Dox  
+ 10 ng/ml, Dox  
+ 100 ng/ml, Dox  
+ 1 µg/ml, Dox  

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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Effects of doxycycline on expression of TurboGFP protein by Western blotting analysis. HEK293T cells were transfected PS100125 plasmid DNA (1 µg DNA/well of a 6-well plate) and 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 TurboGFP-specific antibody (Cat# [TA150075]). Cell lysates (25ug) were loaded on each lane. Anti-β-Actin mAb (Cat# [TA811000]) was used as loading control for Western blot. Bar graph represents relative TurboGFP expression normalized with β-Actin.