



CELLECTA

## Find the best promoter to drive expression of a gene in your cells

- Test 8 different cDNA promoter configurations
- Pre-packaged, ready-to-transduce into any mammalian cells
- Easily identify the best promoter based on GFP fluorescence strength

Cellecta's PromoterTest™ Assay Kit enables you to identify a promoter optimally suited for expression in your cells of interest. RNA polymerase II promoters that drive cDNA expression show a wide range of efficiency across different cells and different culture conditions. The PromoterTest Assay provides a convenient approach. Simply screen eight different promoter configurations to identify the one that is most effective in your cell line.

The PromoterTest Assay comes with eight lentiviral constructs prepackaged as ready-to-transduce lentiviral particles. The promoters included in the kit are:

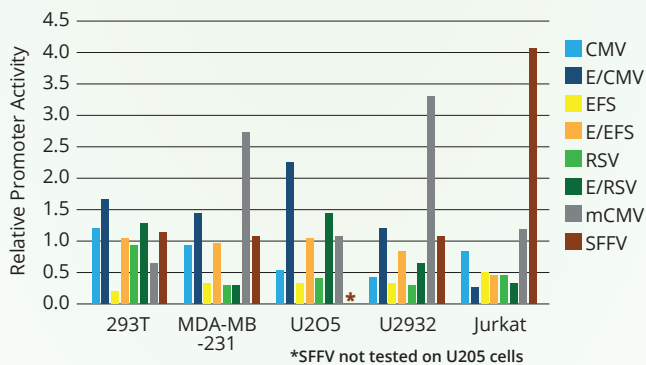
- CMV
- CMV with enhancer (E/CMV)
- EFS (EFS1-alpha gene, short promoter)
- EFS with enhancer (E/EFS)
- Rous Sarcoma Virus (RSV)
- RSV with enhancer (E/RSV)
- Mouse CMV (mCMV)
- Spleen focus forming virus (SFFV)

Each lentiviral vector carries the same green fluorescent protein (GFP) under the control of a different promoter. To use the kit, you simply need to transduce the GFP-expressing lentiviral constructs into your cell line and compare the GFP intensities from each different construct by flow cytometry.

More information at [www.cellecta.com/promotertest](http://www.cellecta.com/promotertest) or email [info@cellecta.com](mailto:info@cellecta.com)

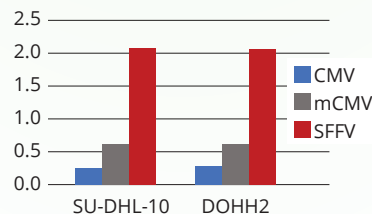
Online ordering is available at [www.cellecta.com/e-Shop](http://www.cellecta.com/e-Shop)

### A. Promoter Variability in Different Cell Lines



(A) Relative expression levels of eight promoters in different cell lines: CMV, CMV with enhancer (E/CMV), EFS (EFS-alpha gene, short promoter), EFS with enhancer (E/EFS), Rous Sarcoma Virus (RSV), RSV with enhancer (E/RSV), mouse (mCMV), Spleen focus forming virus (SFFV). Expression levels were assessed based on GFP fluorescence and normalized against the average expression for all constructs in a cell line.

### B. SFFV Promoter Stronger in Some Cells



(B) Expression levels of CMV, mouse CMV (mCMV), and SFFV. In blood cell lines, such as SU-DHL-10, DOHH2, and Jurkat, SFFV can be much stronger than other promoters.

## Ordering Information

Catalog #	Description	Amount
PROMTEST	PromoterTest™ Assay Kit (8 promoter constructs)	1 kit (for 10 cell lines)