

## HuSH shRNA Plasmid, pGFP-C-shLenti

### pGFP-C-shLenti shRNA Cloning Plasmid Catalog # TR30023

#### Product Description:

- Plasmid vector for cloning shRNA expression cassettes
- Designed for long term gene silencing studies
- Chloramphenicol and Puromycin resistance markers for easy selection of transformed or transfected cells
- U6 polymerase III promoter for shRNA expression
- Lenti based LTR sequences for packaging into Lenti particles
- EcoRI and HindIII sites convenient for shuttling existing HuSH cassettes

**Content:** Each vial contains 5 ug of dried and purified plasmid DNA.

**Storage and Stability:** The plasmid is stable for at least 1 yr at  $-20^{\circ}\text{C}$  from the date of shipment.

**Guarantee:** This product is guaranteed for the correct sequences and listed functions.

**Related Products:** Specific HuSH constructs are available at OriGene covering the full human and mouse genomes.

#### Quality Control Assays

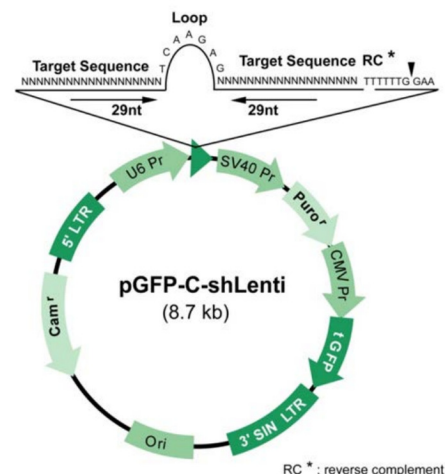
**DNA Quantitation:** The concentration of the purified plasmid was determined at  $\text{OD}_{260}$  by a UV spectrometer.

**DNA Sequence Analysis:** The final purified plasmid was sequenced to confirm its identity.

#### Functional Analysis:

1. Cloning: the pGFP-C-shLenti plasmid was successfully used to clone shRNA cassettes.
2. Transfection: cloned shRNA cassettes were successfully transfected to HEK293T cells, and expected knockdown effect was achieved.
3. Lenti packaging and transduction: shRNA constructs cloned into pGFP-C-shLenti were verified for inhibition of target genes through packaging and transduction.

#### Map of shRNA Cloning Vector pGFP-C-shLenti



#### Terms of Use

By opening the use the product, the purchaser agrees not to distribute, resell, modify for resale or use to manufacture commercial products without prior written approval from OriGene Technologies, Inc. If you do not agree with these conditions, please return product for a full refund.

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