



Transomic Delivers Custom, Precise Gene-Modulating Tools To Enable Discovery Across The Genome.



CRISPR-Cas9



RNAi



Gene Expression



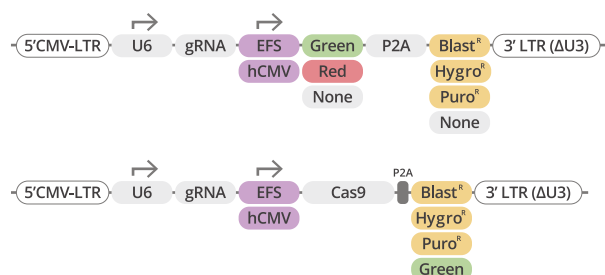
Cloning Vectors

The Right Tools for You

CRISPR and shRNA gene sets consist of three unique constructs targeting your gene of interest plus a negative control. Choose the ideal vector from our catalog of lentiviral vectors for your gene knockout, knockdown, interference, and activation studies. All constructs are 100% sequence-confirmed before shipping and are delivered as glycerol stocks, plasmid DNA, or lentiviral particles.

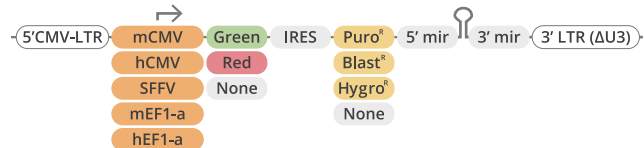
Advanced gRNA and shRNA algorithms designed by Cold Spring Harbor Laboratory are used exclusively by Transomic Technologies for superior knockout and knockdown results.

CRISPR Vector Options



shRNA Vector Options

pZIP



pZIP-TRE3G inducible



Retroviral pLMN



Retroviral pLMP-d



Custom arrayed and pooled libraries

Transomic Technologies offers complete flexibility when designing custom CRISPR or shRNA libraries. We deliver a pooled library (NGS qualified) or an arrayed library in 96-well plate format. To get started, you simply share your target gene list and choose the ideal vector from our catalog. We offer plasmid DNA or ready-to-use lentiviral particles to suit your project.

MGC premier cDNA and ORF clones

Transomic Technologies offers the largest collection of arrayed, full-length cDNA and ORF clones covering human, mouse, rat, bovine, zebrafish and Xenopus genomes. Clones are delivered as individual glycerol stocks in as little as 48 hours. Complete arrayed libraries are also available.

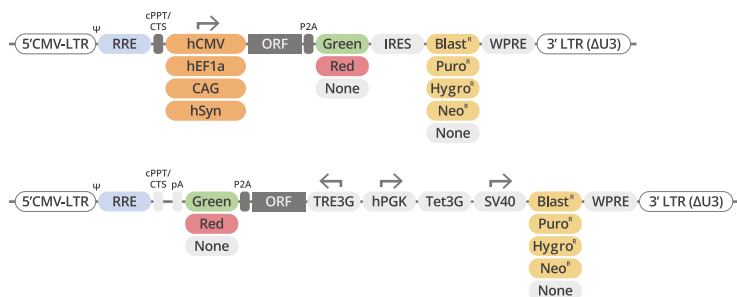
Cloning vectors

Transomic Technologies offers a large selection of proprietary lentiviral cloning vectors for CRISPR-Cas9, shRNA, and Gene Expression. All vectors have been optimized for efficient packaging into lentiviral particles and are easy to use when following our Cloning Guidelines. Choose the ideal promoter, selection marker and/or fluorescent reporter for your experiment.

Gene synthesis and cloning

Transomic provides unparalleled gene synthesis and cloning services. Use our expertise to create the ideal lentiviral ORF expression vector for your experiment. Transomic offers solutions, whether you need the wild-type sequence, an isoform, a mutant, or an optimized design for a rescue experiment. LentiORF expression vectors are delivered as glycerol stocks or lentiviral particles. Inducible lentiviral vectors are also available.

Vector Options



Custom Services

Custom Next Generation Sequencing and Deconvolution Services

Transomic can help analyze results from your CRISPR pooled screening experiments. Send us the genomic DNA from your screened cells and we will prepare the samples for NGS, perform NGS on the appropriate sequencing platform, and align the gRNA sequence reads against the NGS reads from the screening pool. You can then determine which gRNAs in your screening pool were enriched or depleted.

Custom Vector Construction Services

Let Transomic engineer your next custom vector. Choose from our highly customizable inventory of lentiviral and retroviral cloning vectors. If you need a vector that we currently do not offer, we can generate that vector for you.

Lentiviral Packaging Services

Transomic offers the highest quality lentiviral packaging services using second and/or third generation packaging plasmids. Our process has been optimized to produce higher viral titers compared to commercially available packaging plasmids. Additionally, we understand the importance of accurate viral titer counts and provide functional titer measurements for your packaged particles as our standard offering.

Overexpression Stable Cell Lines

Transomic offers stable cell line engineering services using our catalog of LentiORF Select-Vectors. Our extensive collection of constitutive and inducible lentiviral vectors allows for customization of the target gene expression cassette to include the appropriate selectable markers and tags.

