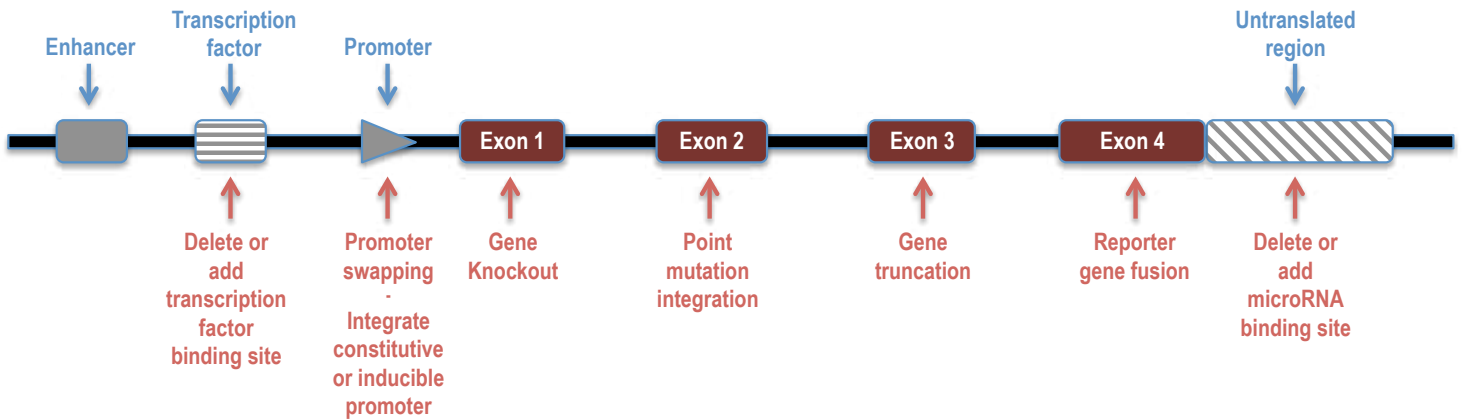


gen **O** way

Personalized Genome Engineering Service

Cell Line Development

With genOway, you directly benefit from our know-how, derived from having engineered literally thousands of genetically modified models for gene Knockout, Knockin, humanization, point mutation, overexpression, etc.



Our commitment is to provide you with the model you need.

An in-depth scientific analysis lets us evaluate the feasibility of using your own cell line. Combined with our robust clone production process, we generate you the most relevant mammalian, genetically modified, immortalized tumoral cell lines, or stem cells.

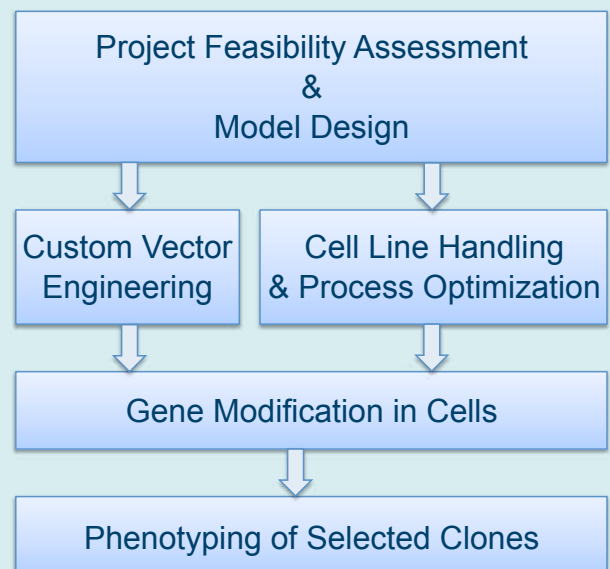
A complete technology portfolio, including CRISPR/Cas9, inducible systems and others, enables us to offer the most appropriate approach for each project.

YOUR BENEFITS

- Thorough project assessment
- In-depth scientific analysis
- Off-target measurement
- Short development time
- Phenotyping service
- Freedom to operate (FTO)

Customization improves the physiological relevancy of your cell line, thereby increasing the scientific value of your study.

DEVELOPMENT PROCESS



Knockout Cell Lines [go to website](#)

Generation by:

- Introducing mutations to disrupt the coding frame
- Deleting coding gene sequences

Point Mutant Cell Lines [go to website](#)

Generation by targeted introduction of the mutation(s) of interest for various applications including:

- *In vitro* recapitulation of disease-causing mutations
- Functional invalidation of specific protein domains

Knockin Cell Lines [go to website](#)

Optimized for various applications:

- Gene tagging to track protein interaction and trafficking
- Functional domain deletion or mutation to decipher protein function and interaction
- Promoter or regulatory sequence swapping or deletion to characterize regulatory mechanisms

Quick Knockin™ [go to website](#)

genOway developed ready-to-use vectors to target permissive loci such as *Rosa26*. This strategy guarantees:

- Stable expression
- Known copy numbers
- No position-effect variegations
- No deregulations of neighboring genes

Cell Line Characterization

We provide you with a comprehensive panel of cellular phenotyping tests that completely characterize the engineered clones by means of:

- mRNA quantification of your target gene by RT-qPCR
- Protein quantification and localization by cytometry and biochemistry
- Adapted functional assays

TESTIMONIAL

Prof. Hans Clevers
Director Hubrecht Laboratory,
Utrecht, NL

«genOway has already supplied us with several difficult-to-make knockout cell lines. We are impressed by the speed and professionalism in which genOway provides these services, and are eager to build on this very successful collaboration.»



Alexandre Fraichard
General Manager

«Thorough project assessment, in-depth scientific analysis of your current and future needs, exhaustive technology portfolio, excellence in production, and dedicated customer care are the core pillars that distinguish our personalized genome engineering service. We provide you with the most adapted and physiologically relevant research model.»

At a glance

With 100 employees, genOway has created more than 2000 genetically modified models, while serving clients in:

- 28 countries worldwide
- 380 academic institutions and 13 EU framework projects
- 170 Life Sciences companies, including 17 of the Top 20 pharma

YOUR SUCCESS IS OUR SUCCESS

Gulbins E et al.

Acid sphingomyelinase-ceramide system mediates effects of antidepressant drugs.

Nature Medicine

Adolph TE et al.

Paneth cells as a site of origin for intestinal inflammation.

Nature

Clement JP et al.

Pathogenic SYNGAP1 mutations impair cognitive development by disrupting maturation of dendritic spine synapses.

Cell