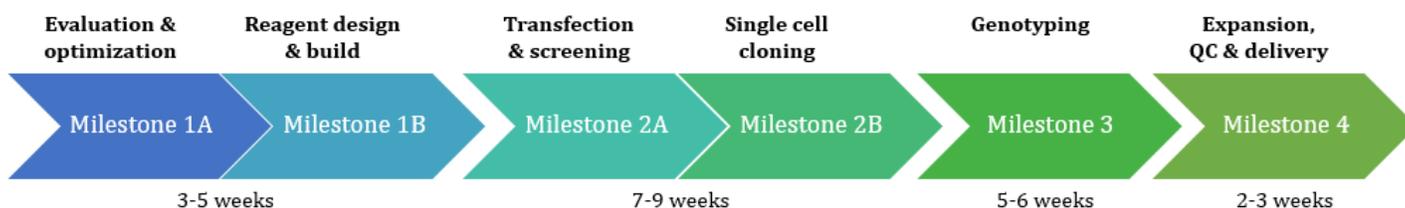


Cell Line Engineering FAQ

What does the cell engineering process look like?

Cell line engineering projects are divided into several Milestones. At the completion of each Milestone, a data report is provided documenting the work and progress of the project. Results from all stages of the project are carefully reviewed with the Client prior to proceeding to the next stage.

Example workflow for a typical gene knock-out cell line



How much will it cost and how long will it take to complete?

The type of gene edit has the most impact on pricing and completion time. More difficult projects, such as a gene knock-ins, will require more effort and time to complete. In order to minimize risk to the customer, each milestone is billed separately and customers only pay for the work that has been completed to that particular milestone.

Catalog #	Cell Engineering Service	Estimated Delivery	Estimated Price Range
TgCell	Stable cell line creation: transgenic (random integration) – reporter cells, ion channels, shRNA inducible etc.	3-5 months	\$19,000.00 - \$35,000.00
KOCell	Gene knockout. Targeted Knockout.	4-6 months	\$23,200.00 - \$40,000.00
KIcell	Knock-in or gene edited cells: isogenic cell lines, targeted reporters, base-pair edits, AAVS1 safe-harbor knock-ins.	6-9 months	\$28,400.00 - \$50,000.00

What influences cost and probability of success?

The type of genetic modification, cell type, and gene copy number will have the greatest influence on project cost and probability of success. Below are the key factors that will influence project pricing and these are evaluated carefully before providing a quote or initiating a project.

- Cell type
- Type of genetic modification
- Gene copy number
- Transfection efficiency
- Passage number restrictions
- Single cell cloning efficiency
- Specialty medium or components
- Non-standard handling requirements

Can you guarantee a gene edit?

There is inherent risk involved when genetically modifying cell lines. Even though our talented scientific staff has completed many successful projects, Transposagen cannot guarantee success for any given cell project, even for genetic modifications which have been previously studied. In some cases, the desired gene edit may not be possible due to alteration of the phenotype of the cells leading to decreased proliferation/viability or even lethality or severe alterations in cell viability from the gene edit. Transposagen has developed a cell engineering process that is designed to minimize risk and by working closely with each client to identify concerns before a project is initiated. All projects are carefully designed to maximize chances of success, beginning with our project evaluation process.

How do I find out the specifics for my project?

Your Technical Sales Specialist will work with you to produce a feasibility study and verified quote defining your custom cell project. To contact your designated Technical Sales Specialist, write to us at info@transposagenbio.com or call 859-967-9672.