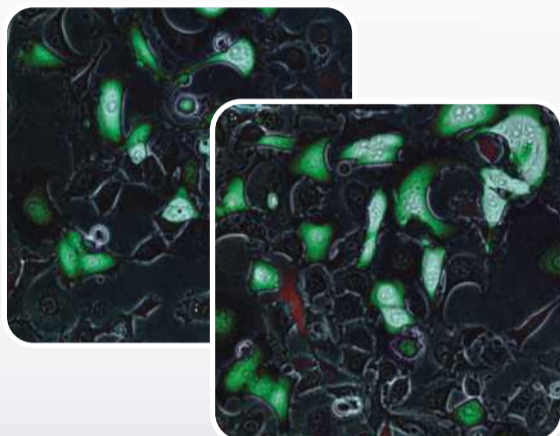


Celther genetic engineering SERVICES

WE OFFER GENETIC ENGINEERING SERVICE INCLUDING:



- DNA cloning
- Vectors construction
- Prokaryotic and eukaryotic expression systems construction such as plasmid, episomes or viruses
- Gene knock down system including shRNA, miRNA expression vectors
- Eucaryotic cells genetic manipulation
- Professional consulting and support

GENETIC ENGINEERING

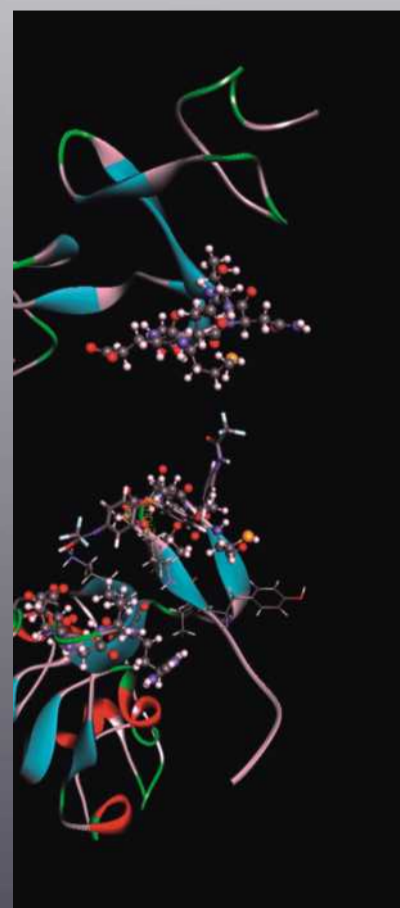
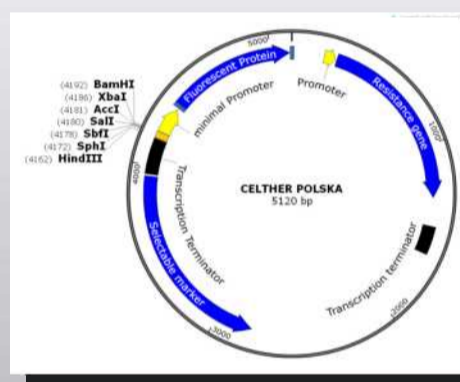
Celther Polska offers a complete set of services in genetic engineering, from gene cloning to its expression in a suitable system. Our expertise in genetic engineering allows us to customize numerous aspects of the final product to deliver the perfect research tool for our customers. Depending on the customer needs, we can adjust the promoters driving gene expression, antibiotic resistance for subcloning as well as potential subsequent clonal selection, delivery method and introduce numerous modifications to the gene itself (e.g. UTR presence, sequence alterations, tags). Once the vector carrying the gene is ready, we can introduce it into eukaryotic cell lines and stabilize them for you or express the gene in bacteria to obtain the protein you need. However, protein coding genes are not the only product we can deliver. Gene silencing is a widely recognized tool in studies on gene function and systems biology. At Celther, we can generate vectors carrying short hairpin RNA (shRNA) in order to transiently or stably silence expression of your gene of interest in any eukaryotic cell line.

HIGH THROUGHPUT AND GENETIC ENGINEERING

High throughput screens are commonly accepted as a basic tool in drug development as well as in studies on protein pathways or biological processes. One of the major obstacles in screen design is choosing the correct reporter. At Celther, we can assist you in this process and generate custom made reporter systems to monitor cell viability, signaling pathway activity, protein interactions among numerous other aspects of cell biology.

WHAT CAN BE ACCOMPLISHED?

- Functional assays - Drug testing -
- Protein constructions - Proteins tracking -
- Genes silencing - Proteins function analysis
- miRNA function analysis
- Cell engineering - constructing cell with wished features
- Stem cells construction.



CONTACT

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