

Custom Mutagenesis

In vitro site-directed mutagenesis is an important methodology used to study protein structure-function relationships, identify intramolecular regions or amino acids that may mediate these functions, analyze gene expression and modify vectors. Many published mutagenesis methodologies labor intensive and technically difficult to perform. With many years of experience in mutational manipulation, Retrogen has developed its own methodology that allows us to finish any mutagenesis project at very fast turnaround time and at a very affordable price.

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The Benefits of Retrogen's Custom Mutagenesis:

- ▶ Get Consultation from Our Experienced Scientists
- ▶ Get Your Mutagenesis Projects Done Fast at a Very Competitive Price
- ▶ We Sequence the Mutated Region to Ensure a 100% Accuracy
- ▶ 20 µg of Purified Plasmid Delivered is Ready to Use
- ▶ A Complete Report with a Chromatogram Printout is provided

Starting Material:

Please send 20 µg of plasmid DNA Email copies of vector map and sequence of the construct with indication of the bases that need to be changed to gene@retrogen.com

Method:

We use PCR site-directed method in conjunction with our proprietary protocols
We sequence the mutated region by automated fluorescent sequencing

Final Form :

20 µg of lyophilized plasmid DNA with the correct changes

Documentation:

A complete report of strategies and data
A printout of assembly report and chromatograms from automated sequencers

Price:

\$200.00 - \$500.00 per codon change
Includes both strands sequencing verification. Please call us for a discounted price if you have more than one mutant to be made

Turnaround Time:

Each mutant will take 2-3 weeks, including sequence verification

Ordering:

Make sure that the correct changes are indicated on the sequence printout of the construct
Email modified sequence and original sequence to gene@retrogen.com
Enclose 20 µg plasmid DNA and vector map
Send the package priority overnight to the below address:

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