

| Genetic background* | Price | |
|--|--------------------|--------------|
| | F1(C57BL6/J x CBA) | C57BL6/J |
| Type of mutation*: | | |
| Insertion/Deletion knock-out (frameshift mutation, size of mutation is not guaranteed) | PLN 23000 | PLN 25000 |
| Knock-out mouse line using insertion cassette | PLN 25000 | PLN 27000 |
| Knock-in mouse line with insertion of small insert (<500 bp, ex. 3xHA-Tag, Flag-Tag) | PLN 27000 | PLN 30000 |
| Knock-in mouse line with insertion of medium length insert (500-1500 bp, ex. GFP) | PLN 29000 | PLN 32000 |
| Knock-in mouse line with insertion of long length insert (1500-3000 bp, ex. CRE-ERT2) | PLN 32000 | PLN 35000 |
| Knock-in mouse line with insertion of very long length insert (>3000 bp) | Upon request | Upon request |
| Mouse line with insertion of LoxP sites | PLN 37000 | PLN 40000 |

*other genetic backgrounds and types of mutation are available upon request

The price includes the whole process of mouse line generation.

In particular:

- Mutation strategy design
- Preparation of proposal to the ethical committee
- Preparation of sgRNA, Cas9 mRNA and donor DNA (if used)
- Injection of sgRNA and Cas9 mRNA into zygotes of desired genetic background, to generate F0 mutated candidate animals.
- Embryotransfer to donor mice
- Founder screening
- Germline breeding of F0 founder animals
- Sequence analysis of germline transmitted N1 animals

Clients are provided several 4-5 weeks old N1 generation (heterozygotic) mice. Price does not include taxes and the cost of shipping.

Insertion of mutations into difficult loci (high GC content, repetitive sequences) may be charged with extra fee.

If harmful phenotype is expected in heterozygotic mutants, extra fee will be applied.