 Request for Services

Mouse Genetics Core Facility

1400 Jackson Street D202

Denver, CO 80206

303.270.2657

|  |
| --- |
| Date      Principal Investigator       email       Location of colony      Contact person       email       phone      Animal protocol#       Final destination of mice (if applicable)      Speedtype (NJH only)      Credit card      Purchase Order [ ]       |
| *Construct design and development* (check all that apply. Molecular biology work does **not** have to be intended for the generation of genetically modified mice)[ ]  Expression construct (generic, lentiviral, retroviral, etc) [ ]  TALEN synthesis[ ]  BAC recombineering [ ]  CRISPR/Cas synthesis[ ]  Targeting construct [ ]  DNA template for HDR[ ]  Transgenic construct [ ]  other       |
| *Transgenic/BAC transgenic/Engineered Nuclease mice*Size of linear insert:       Name of transgene:      Brief description of genetic modification:     Oncogene? [ ] Yes [ ] No Toxic Gene? [ ] Yes [ ] No DNA produce a virus or prion? [ ] Yes [ ] No |
| *Mouse Embryonic Stem Cell Targeting*Name of target vector:      Brief description of genetic modification:      Oncogene? [ ] Yes [ ] No Toxic Gene? [ ] Yes [ ] No DNA produce a virus or prion? [ ] Yes [ ] No |
| *Blastocyst Injection (if ES clones are imported from a consortium, additional services may be required)*Name of targeting construct       Clones to be injected       Source of clones       |
| *Rederivation*[ ] Embryo rederivation with cryopreserved embryos [ ] IVF rederivation using cryopreserved sperm[ ] Rescue rederivation using fresh spermStrain name       Strain background       Breeding issues?       Source of embryos/sperm        |
| *Cryopreservation*[ ] sperm cryopreservation [ ] speed cryopreservation [ ] embryo cryopreservation Strain name       Strain background       Breeding issues?       |
| *Genotyping*  [ ]  with an established genotyping protocol  [ ]  we need help designing or optimizing a genotyping protocol |
| *Characterization and Isolation of CRISPR/Cas modified clones*Name of gene:       Description of modification desired      Cell type       |

**Assurances.** I have read the IACUC guidelines for the production and use of transgenic and knockout mice, and I will notify the IACUC of any unexpected phenotypes that might arise during the course of our studies of the animals produced by the MGCF, if applicable.

Principal Investigator \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_