**Fill out the form and submit togenie.genetique.cr.chum@ssss.gouv.qc.ca**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | **CRCHUM - internal use only** |
| **Date :**       |  |  | **Request number :** |
| **SECTION 1 - GENERAL INFORMATION** |
| **Investigator :**       |
| **E-mail :**       | **Telephone number**$ $**:**       |
| **Contact person:**       |
| **E-mail :**       | **Telephone number**$ $**:**       |
| **Grant or PO number :**       |

|  |
| --- |
| **SECTION 2 - ANIMAL INFORMATION** |
| **Species :** Mouse [ ]  Rat [ ]  |
| **Complete strain name** (exact nomenclature)**:** |
| **Other name:**       |
| **Background strain:**       |
| **Protocol number :** |
| *The protocol must first have been accepted by your animal care committee (ACC) before we can start the service.* |
| **Genetic modification desired :** |
| *Knockout* [ ]  Conditional *knockout* [ ]  *Knockin* [ ]  Point mutation [ ]  Other [ ]  |
| Description of the DNA construct and the targeted genes:       |
| **Role of the gene(s) and expected phenotype(s):**       |
| **Method used for construction :** |
| CRISPR/Cas9 [ ]  | Nuclease or DNA microinjection [ ]  |
| Fill out section 3A | Fill out section 3B |
| **Background strain preferred for the microinjection?**  |
| C57Bl/6 [ ]  CD-1 [ ]  B6C3F1 [ ]  Other :       |
| **Supplier:** Charles River [ ]  Jackson [ ]  Other       |
| **Comments :**       |

|  |
| --- |
| **SECTION 3A - CONSTRUCTION BY CRISPR/CAS9 DETAILS** |
| **Do you want the transgenic laboratory to design and synthetize the guides (gRNA)?** |
| Yes [ ]  | No [ ]  |
| Please contact the platform manager to discuss in detail the desired construction. | Guide(s) description :       |
|  | Provide all necessary details: synthetic or *in vitro* transcribed (IVT), concentration, dilution buffer, origin, sequences ... |
|  | **Has their effectiveness been tested?**   Yes [ ]  No [ ] If yes, describe the method and results  :      If no, the platform will do it for you. |
| **Do you have a preference for the Cas9 endonuclease used?** |
| Protein [ ]  mRNA [ ]  Both [ ]  No preference  [ ]  |
| Justification :       |
| **Does your model require the introduction of a donor DNA?** Yes [ ]  No [ ]  |
| Describe :       |
| If so, please provide the details on the donor DNA. |
| **Comments :**       |

|  |
| --- |
| **SECTION 3B - CONSTRUCTION BY NUCLEASES OR DNA MICROINJECTION DETAILS** |
| **Method used for the construction :** |
| DNA microinjection [ ]  TALENs [ ]  ZFNs [ ]  |
| **Describe the sequences or enzymes :**       |
| Provide all necessary details: fragment size, sequences or mapping, concentration, dilution buffer, origin, photo of gel ... |
| **If your sequence is in the form of a plasmid, is it linearized?** Yes [ ]  No [ ]  |
| **Comments :** |

|  |
| --- |
| **SECTION 4 - HUSBANDRY** |
| A health status screening can be performed on recovered mice and recipient, if requested by your veterinarian. If so, it will be necessary to wait for the health reports prior to transfer/shipment.Note that we offer a service to start the breeding of your generated mice, if needed. |

|  |
| --- |
| **SECTION 5 – TRANSFER/SHIPMENT** |
| *If the animals are staying at the CRCHUM, only indicate the room number where they will be transferred.* |
| Institution  :       | Room:       |
| Address :       |
| Import/export contact :       |
| E-mail :       | Telephone number:       |
| Veterinarian :       |
| E-mail :       | Telephone number :       |