

TRANSGENIC RESOURCE PROGRAM
Request for Generation of Transgenic and Knockout Mice

Name of Investigator: _____ Phone No: _____ Email: _____

Date: _____ IR: _____ Bldg. Room: _____ Authorized Signature: _____

Budget Number: _____

Contact information:

Name _____ Phone _____ e-mail _____

Alternate _____ Phone _____ e-mail _____

1. What general question will the transgenic mice address?

2. Expected phenotype (including lethality).

3. Describe the construct(s), including construct name, regulatory elements for pronuclear injection.

Map of construct.

4. How was your DNA purified? Please provide a DNA photograph of the purified DNA on a gel. (An appropriate protocol for DNA purification is available from Nanyan Jiang).

5. Do you have any special time constraints?

6. Will you need assistance in identifying and breeding transgenic mice? If so, to what extent?

Please provide the following:

A) For DNA Microinjection

Purified DNA constructs $\geq 50\text{ng}/\mu\text{l}$; $\geq 50\mu\text{l}$ in 10mM Tris Cl (pH 7.4), 0.1 mM EDTA

B) For gene targeting

Purified DNA constructs $> 2\mu\text{g}/\mu\text{l}$, total $> 100\mu\text{g}$ in 10 mM Tris-Cl (pH7.5), 1.0 mM EDTA

Conditions and primers used for PCR; photo of PCR reaction products on gel

ES cells (if appropriate) to Nanyan Jiang in CD-101.

Please email tail biopsy results to: njiang @fhcrc.org