

# H11-CAG-LSL-mtagBFP2

|                     |   |
|---------------------|---|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>lgs2</i> <sup>em1(CAG-LSL-mTagBFP2)Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KI-190006  |
| <b>Strain State</b> | Sperm cryopreservation  |

## Gene Summary

|                    |                   |                         |
|--------------------|-------------------|-------------------------|
| <b>Gene Symbol</b> | <b>Synonyms</b>   | H11, Hipp11, lis2       |
|                    | <b>NCBI ID</b>    | <a href="#">Null</a>    |
|                    | <b>MGI ID</b>     | <a href="#">5461148</a> |
|                    | <b>Ensembl ID</b> | <a href="#">Null</a>    |

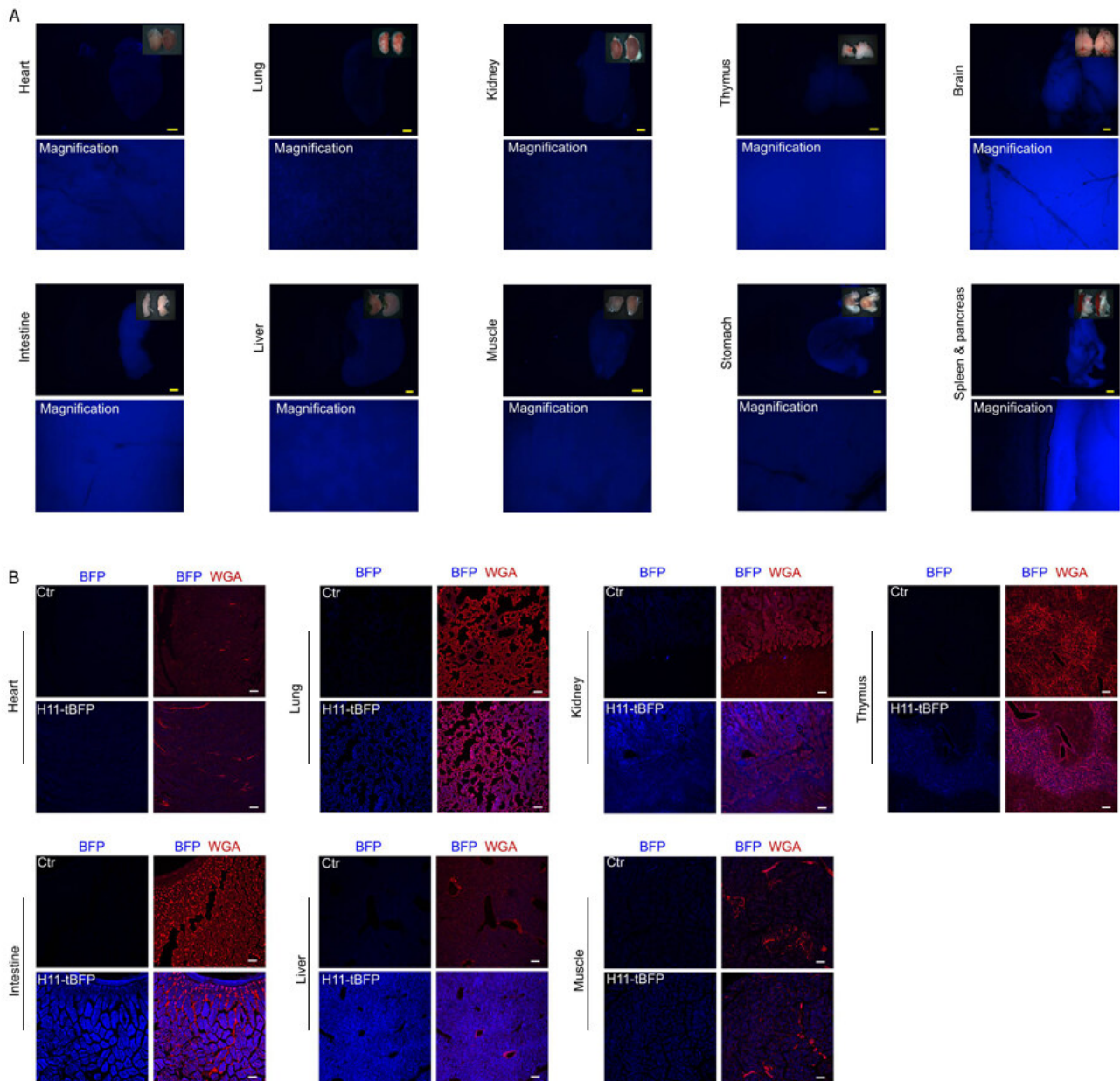
## Model Description

A CAG-LSL-mTagBFP2-3xFLAG-WPRE-polyA cassette was inserted at the mouse H11 locus. When bred to a strain expressing Cre recombinase under control of various tissue specific promoters, Cre recombination deletes the LSL cassette and allows the expression of the mTagBFP2-3xFLAG protein.

**Research Application:** Fluorescent reporter Mice

\*Literature published using this strain should indicate: H11-CAG-LSL-mtagBFP2 mice (Cat. NO. NM-KI-190006) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data



**Fig1. BFP expression in CAG-mTagBFP2/+ mouse, visualized using fluorescence imaging.**

CAG-mTagBFP2/+ mouse was achieved through crossing CAG-LSL-mTagBFP2/+ mouse and Cre-expressing mouse. BFP expression in different organs of CAG-mTagBFP2/+ mouse was detected using fluorescence imaging, which suggests relatively high expression of BFP in a variety of organs. **A:** Images of different organs of CAG-mTagBFP2/+ mouse; **B:** Images of histologic sections of CAG-mTagBFP2/+ mouse under confocal microscopy.