

## **CamKII-CRE-LFR1 ID 189**

Description: CamKIIcre line generated by Baoji Xu

Received from: Baoji Xu

Genotyping: same as the cre line

Mutant allele:

CAMKII-F: GGGAGGTAGGAAGAGCGATG,

Cre-4 CCATGAGTFAACGAACCTGG

Condition:

Hot start before cyclig (94C for 5 minutes)

25-30 cycles(94C 30", 64C 1', 72C 1')

extra extension time at the end(5' at 72C) before going to 4C

band size: around 1000bps

You can also use a general cre PCR

Cre-3 GGATGAGGTTGCAAGAACC

Cre-4 CCATGAGTFAACGAACCTGG

Condition:

Hot start before cycling(94°C 5minutes)

25-30 cycles (94°C 30", 60°C 1', 72°C 1')

extra extension time at the end 72°C 5minutes)

Reference: Xu B, Gottschalk W, Chow A, Wilson RI, Schnell E, Zang K, Wang D, Nicoll RA, Lu B, Reichardt LF. The role of brain-derived neurotrophic factor receptors in the mature hippocampus: modulation of long-term potentiation through a presynaptic mechanism involving TrkB.

J Neurosci. 2000 Sep 15;20(18):6888-97.

PMID: 10995833 [PubMed - indexed for MEDLINE]