B6;129S6-Chat tm2(cre)Low/J

Additional Use Restrictions Apply

Stock No: 006410 | ChAT-IRES-Cre, ChAT-IRES-Cre::frt-neo-frt

Targeted Mutation

REPOSITORY LIVE

Overview

Also Known As: ChAT-IRES-Cre, ChAT-IRES-Cre::frt-neo-frt

ChAT-IRES-Cre knock-in mice express Cre recombinase in cholinergic neurons, without disrupting endogenous Chat expression. These mice may be useful in neurobiological research of motor function, learning and memory, Alzheimer’s disease, and Down syndrome, as well as obesity and diabetes research.

The Jackson Laboratory Repository has two ChAT-IRES-Cre knock-in alleles from Dr. Bradford Lowell: ChAT-IRES-Cre::frt-neo-frt (Chat tm2(cre)Lowl; Stock Nos. 006410/018957/028861) and ChAT-IRES-Cre::neo (Chat tm1(cre)Lowl; Stock No. 031661). The donating investigator reports that the presence of the neo cassette may result in ectopic Cre expression, and they have never observed any ectopic expression in their ChAT-IRES-Cre::neo mice (January 2018).

Genetic Overview

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<th>Genetic Background</th>
<th>Generation</th>
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<tr>
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<td>N?+F19 (07-FEB-18)&gt;</td>
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<th>Chat tm2(cre)Lowl</th>
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<td>Allele Type</td>
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<td>Targeted (Recombinase-expressing)</td>
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See mouse strain information online for current details

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