

# Arx-Flox

|                     |                                          |
|---------------------|------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc-Arx <sup>em1(flox)Smoc</sup> |
| <b>Cat. NO.</b>     | TBD                                      |
| <b>Strain State</b> | Developing                               |

## Gene Summary

|                                  |                       |                                    |
|----------------------------------|-----------------------|------------------------------------|
| <b>Gene Symbol</b><br><b>Arx</b> | <b>Synonyms</b>       | Arx1                               |
|                                  | <b>NCBI ID</b>        | <a href="#">11878</a>              |
|                                  | <b>MGI ID</b>         | <a href="#">1097716</a>            |
|                                  | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000035277</a> |
|                                  | <b>Human Ortholog</b> | ARX                                |

## Model Description

These mice carry loxP sites flanking target exons of Arx gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Arx gene.

\*Literature published using this strain should indicate: Arx-Flox mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                                                 |                     |                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Early Infantile Epileptic Encephalopathy</b> | <b>Phenotype(s)</b> | <a href="#">MGI:3844352</a><br>Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with m156i-cre mice.                                                                                                                                                                 |
|                                                 | <b>Reference(s)</b> | Marsh E, Fulp C, Gomez E, Nasrallah I, Minarcik J, Sudi J, Christian SL, Mancini G, Labosky P, Dobyns W, Brooks-Kayal A, Golden JA, Targeted loss of Arx results in a developmental epilepsy mouse model and recapitulates the human phenotype in heterozygous females. Brain. 2009 Jun;132(Pt 6):1563-76 |

## Validation Data

No data

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