

# Technology Development Group

## Available Technologies

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## Synaptotagmin-4 Knockout Mice

Tech ID: 21497 / UC Case 2010-498-0

### **INNOVATION**

UCLA researchers have developed knockout mice in which the Synaptotagmin 4 (Syt4) gene is deleted. Synaptotagmin 4 is involved in a number of neurobiological events, including vesicle fusion and neurotransmitter release at neuronal synapses. These mice can be used to study many central nervous system (CNS) functions, including memory, learning, fear and anxiety

### **RELATED MATERIALS**

- Ferguson GD, et al. Deficits in memory and motor performance in synaptotagmin IV mutant mice. Proc Natl Acad Sci U S A. 2000 May 9;97(10):5598-603.
- Additional information on Mouse Strain #012400 from The Jackson Laboratory.

### CONTACT

**UCLA Technology Development** 

ncd@tdg.ucla.edu tel: 310.794.0558.



### **INVENTORS**

Herschman, Harvey R.

#### OTHER INFORMATION

**KEYWORDS** 

Research tools; TRP; mouse model

**CATEGORIZED AS** 

▶ Research Tools

▶ Animal Models

**RELATED CASES** 

2010-498-0

### ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ Ptgs2 (Cyclooxygenase-2) Luciferase Knock-In Mouse
- ▶ Ptgs2 (Cyclooxygenase-2) Conditional Knockout Mouse

## Gateway to Innovation, Research and Entrepreneurship

**UCLA Technology Development Group** 

10889 Wilshire Blvd., Suite 920, Los Angeles, CA 90095

https://tdg.ucla.edu

Tel: 310.794.0558 | Fax: 310.794.0638 | ncd@tdg.ucla.edu

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