

Syn3-KO

Nomenclature	C57BL/6Smoc- <i>Syn3</i> ^{em1Smoc}
Cat. NO.	TBD
Strain State	Developing

Gene Summary

Gene Symbol Syn3	Synonyms	-
	NCBI ID	27204
	MGI ID	1351334
	Ensembl ID	ENSMUSG00000059602
	Human Ortholog	SYN3

Model Description

Exon 3 of Syn3 gene was deleted to generate Syn3 knockout mice.

*Literature published using this strain should indicate: Syn3-KO mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

epilepsy	Phenotype(s)	MGI:5698534 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Syn1-KO(NM-KO-191042) and Syn2-KO(NM-KO-201079) mice.
	Reference(s)	Ketzef M, Kahn J, Weissberg I, Becker AJ, Friedman A, Gitler D, Compensatory network alterations upon onset of epilepsy in synapsin triple knock-out mice. Neuroscience. 2011 Aug 25;189:108-22
Autism Spectrum Disorder	Phenotype(s)	MGI:5517485
	Reference(s)	Greco B, Manago F, Tucci V, Kao HT, Valtorta F, Benfenati F, Autism-related behavioral abnormalities in synapsin knockout mice. Behav Brain Res. 2013 Aug 15;251:65-74

Validation Data

No data
