

Shank3-KO

系統名	C57BL/6Smoc- <i>Shank3</i> ^{em1Smoc}
SMOC番号	NM-KO-241043
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol Shank3	Synonyms	Shank3b; AI841104; SHANK3c-3; SHANK3c-4
	NCBI ID	58234
	MGI ID	1930016
	Ensembl ID	ENSMUSG00000022623
	Human Ortholog	SHANK3

説明

The exon 4-9 of Shank3 gene was deleted to generate Shank3 knockout mouse.

*Literature published using this strain should indicate: Shank3-KO mice (Cat. NO. NM-KO-241043) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Autism Spectrum Disorder	表現型	MGI:5285395
	参考文献	Bozdagi O, Sakurai T, Papapetrou D, Wang X, Dickstein DL, Takahashi N, Kajiwarra Y, Yang M, Katz AM, Scattoni ML, Harris MJ, Saxena R, Silverman JL, Crawley JN, Zhou Q, Hof PR, Buxbaum JD, Haploinsufficiency of the autism-associated Shank3 gene leads to deficits in synaptic function, social interaction, and social communication. Mol Autism. 2010;1(1):15

Phelan-Mcdermid Syndrome	表現型	MGI:6394127
	参考文献	Drapeau E, Riad M, Kajiwara Y, Buxbaum JD, Behavioral Phenotyping of an Improved Mouse Model of Phelan-McDermid Syndrome with a Complete Deletion of the Shank3 Gene. eNeuro. 2018 May-Jun;5(3):ENEURO.0046-18.2018

表現型データ

No data