

Slc6a3-KO

Nomenclature	C57BL/6Smoc- <i>Slc6a3</i> ^{em1Smoc}
Cat. NO.	NM-KO-191034
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Slc6a3	Synonyms	DAT, Dat1
	NCBI ID	13162
	MGI ID	94862
	Ensembl ID	ENSMUSG000000021609
	Human Ortholog	SLC6A3

Model Description

Exon 4 of Slc6a3 gene was deleted to generate Slc6a3 knockout mice.

Research Application: Dwarfism, nervous system, dopamine regulation, epilepsy, ADHD, alcohol and cocaine dependence, Parkinson's disease, nicotine dependence

*Literature published using this strain should indicate: Slc6a3-KO mice (Cat. NO. NM-KO-191034) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

schizophrenia	Phenotype(s)	MGI:2654500
	Reference(s)	Giros B, Jaber M, Jones SR, Wightman RM, Caron MG, Hyperlocomotion and indifference to cocaine and amphetamine in mice lacking the dopamine transporter. Nature. 1996 Feb 15;379(6566):606-12

Validation Data

No data