

Slc6a4-KO

Nomenclature	C57BL/6Smoc- <i>Slc6a4</i> ^{em1Smoc}
Cat. NO.	NM-KO-200892
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Slc6a4	Synonyms	Htt, Sert, 5-HTT, AI323329
	NCBI ID	15567
	MGI ID	96285
	Ensembl ID	ENSMUSG00000020838
	Human Ortholog	SLC6A4

Model Description

Exon 3-4 of Slc6a4 gene was deleted to generate Slc6a4 knockout mice.

*Literature published using this strain should indicate: Slc6a4-KO mice (Cat. NO. NM-KO-200892) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autism Spectrum Disorder	Phenotype(s)	MGI:5467729 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pten-KO(NM-KO-18002) mice.
	Reference(s)	Page DT, Kuti OJ, Prestia C, Sur M, Haploinsufficiency for Pten and Serotonin transporter cooperatively influences brain size and social behavior. Proc Natl Acad Sci U S A. 2009 Feb 10;106(6):1989-94

autism spectrum disorder	Phenotype(s)	MGI:3640114
	Reference(s)	Olexova L, Talarovicova A, Lewis-Evans B, Borbelyova V, Krskova L, Animal models of autism with a particular focus on the neural basis of changes in social behaviour: an update article. Neurosci Res. 2012 Dec;74(3-4):184-94

Validation Data

No data