

Disc1-KO

Nomenclature	C57BL/6Smoc- <i>Disc1</i> ^{em1Smoc}
Cat. NO.	NM-KO-2108302
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Disc1	Synonyms	-
	NCBI ID	244667
	MGI ID	2447658
	Ensembl ID	ENSMUSG00000043051
	Human Ortholog	DISC1

Model Description

Exon 2 of Disc1 gene was deleted to generate Disc1 knockout mice.

*Literature published using this strain should indicate: Disc1-KO mice (Cat. NO. NM-KO-2108302) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Schizophrenia	Phenotype(s)	MGI:3623253
	Reference(s)	Koike H, Arguello PA, Kvaajo M, Karayiorgou M, Gogos JA, Disc1 is mutated in the 129S6/SvEv strain and modulates working memory in mice. Proc Natl Acad Sci U S A. 2006 Mar 7;103(10):3693-7
schizophrenia	Phenotype(s)	MGI:5660929
	Reference(s)	Ji B, Higa KK, Kim M, Zhou L, Young JW, Geyer MA, Zhou X, Inhibition of protein translation by the DISC1-Boymaw fusion gene from a Scottish family with major psychiatric disorders. Hum Mol Genet. 2014 Nov 1;23(21):5683-705

Validation Data

No data
