Slc7a5-Flox

Nomenclature	C57BL/6Smoc-*Slc7a5*$^{em1(flox)Smoc}$
Cat. NO.	NM-CKO-232095
Strain State	Developing

Gene Summary

Gene Symbol **Slc7a5**	**Synonyms**	TA1; LAT1; 4F2LC; D0H16S474E
	NCBI ID	20539
	MGI ID	1298205
	Ensembl ID	ENSMUSG00000040010
	Human Ortholog	SLC7A5

Model Description

These strains carry loxP sites flanking exon 1 of Slc7a5 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Slc7a5 gene.
*Literature published using this strain should indicate: Slc7a5-Flox mice (Cat. NO. NM-CKO-232095) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autism Spectrum Disorder	**Phenotype(s)**	MGI:5829465 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Tek-cre mice.
	Reference(s)	Tarlungeanu DC, Deliu E, Dotter CP, Kara M, Janiesch PC, Scalise M, Galluccio M, Tesulov M, Morelli E, Sonmez FM, Bilguvar K, Ohgaki R, Kanai Y, Johansen A, Esharif S, Ben-Omran T, Topcu M, Schlessinger A, Indiveri C, Duncan KE, Caglayan AO, Gunel M, Gleeson JG, Novarino G, Impaired Amino Acid Transport at the Blood Brain Barrier Is a Cause of Autism Spectrum Disorder. Cell. 2016 Dec 01;167(6):1481-1494.e18

Validation Data

No data