Rrn3-Flox

Nomenclature	C57BL/6Smoc-*Rrn3*$^{em1(flox)Smoc}$
Cat. NO.	TBD
Strain State	Developing

Gene Summary

Gene Symbol **Rrn3**	**Synonyms**	Tif1a， R75565， TIF-1A，AL023001， E130302O19Rik
	NCBI ID	106298
	MGI ID	1925255
	Ensembl ID	ENSMUSG00000022682
	Human Ortholog	RRN3

Model Description

These mice carry loxP sites flanking target exons of Rrn3 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Rrn3 gene.
*Literature published using this strain should indicate: Rrn3-Flox mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Parkinson's Disease	**Phenotype(s)**	MGI:6113543 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Slc6a3-icre mice.
	Reference(s)	Rieker C, Engblom D, Kreiner G, Domanskyi A, Schober A, Stotz S, Neumann M, Yuan X, Grummt I, Schutz G, Parlato R, Nucleolar disruption in dopaminergic neurons leads to oxidative damage and parkinsonism through repression of mammalian target of rapamycin signaling. J Neurosci. 2011 Jan 12;31(2):453-60

Parkinson's disease	**Phenotype(s)**	MGI:6113542 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Slc6a3-cre/ERT2 mice.
	Reference(s)	Rieker C, Engblom D, Kreiner G, Domanskyi A, Schober A, Stotz S, Neumann M, Yuan X, Grummt I, Schutz G, Parlato R, Nucleolar disruption in dopaminergic neurons leads to oxidative damage and parkinsonism through repression of mammalian target of rapamycin signaling. J Neurosci. 2011 Jan 12;31(2):453-60

Validation Data

No data