

Tacr1-KO

Nomenclature	C57BL/6Smoc- <i>Tacr1</i> ^{em1Smoc}
Cat. NO.	NM-KO-190606
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Tacr1	Synonyms	Spr; Nk1r; Tac1r
	NCBI ID	21336
	MGI ID	98475
	Ensembl ID	ENSMUSG00000030043
	Human Ortholog	TACR1

Model Description

Exon 4-6 of Tacr1 gene was deleted to generate Tacr1 knockout mice.

Research Application: This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P.

*Literature published using this strain should indicate: Tacr1-KO mice (Cat. NO. NM-KO-190606) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Attention Deficit Hyperactivity Disorder	Phenotype(s)	MGI:4821001
	Reference(s)	Pommier Y, Pourquier P, Fan Y, Strumberg D, Mechanism of action of eukaryotic DNA topoisomerase I and drugs targeted to the enzyme. Biochim Biophys Acta. 1998 Oct 1;1400(1-3):83-105

Validation Data

No data

