Tert-Flox

Nomenclature	C57BL/6Smoc-*Tert*$^{em1(flox)Smoc}$
Cat. NO.	NM-CKO-241947
Strain State	Developing

Gene Summary

Gene Symbol **Tert**	**Synonyms**	TR; TP2; TRT; EST2; TCS1
	NCBI ID	21752
	MGI ID	1202709
	Ensembl ID	ENSMUSG00000021611
	Human Ortholog	TERT

Model Description

These strains carry loxP sites flanking exon 1-2 of Tert gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Tert gene.
*Literature published using this strain should indicate: Tert-Flox mice (Cat. NO. NM-CKO-241947) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Prostate Cancer	**Phenotype(s)**	MGI:5431978 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pten-Flox(NM-CKO-18004), P53-Flox(2)(NM-CKO-190067) and Pbsn-cre mice.
	Reference(s)	Ding Z, Wu CJ, Jaskelioff M, Ivanova E, Kost-Alimova M, Protopopov A, Chu GC, Wang G, Lu X, Labrot ES, Hu J, Wang W, Xiao Y, Zhang H, Zhang J, Zhang J, Gan B, Perry SR, Jiang S, Li L, Horner JW, Wang YA, Chin L, DePinho RA, Telomerase reactivation following telomere dysfunction yields murine prostate tumors with bone metastases. Cell. 2012 Mar 2;148(5):896-907

Validation Data

No data