Sox10-KO

Nomenclature	C57BL/6Smoc-*Sox10*^{em1Smoc}
Cat. NO.	NM-KO-200645
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Sox10	**Synonyms**	gt， Dom， Sox21
	NCBI ID	20665
	MGI ID	98358
	Ensembl ID	ENSMUSG00000033006
	Human Ortholog	SOX10

Model Description

Exon 4-5 of Sox10 gene was deleted to generate Sox10 knockout mice.
Research Application: Research on ERK signal transduction, melanocyte development and pigmentation
*Literature published using this strain should indicate: Sox10-KO mice (Cat. NO. NM-KO-200645) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Kallmann Syndrome	**Phenotype(s)**	MGI:3039429
	Reference(s)	Pingault V, Bodereau V, Baral V, Marcos S, Watanabe Y, Chaoui A, Fouveaut C, Leroy C, Verier-Mine O, Francannet C, Dupin-Deguine D, Archambeaud F, Kurtz FJ, Young J, Bertherat J, Marlin S, Goossens M, Hardelin JP, Dode C, Bondurand N, Loss-of-function mutations in SOX10 cause Kallmann syndrome with deafness. Am J Hum Genet. 2013 May 2;92(5):707-24

Validation Data

No data