

Slc34a1-KO

系統名	C57BL/6Smoc- <i>Slc34a1</i> ^{em1Smoc}
SMOC番号	NM-KO-200642
維持形態	Embryo cryopreservation

遺伝子の概要

Gene Symbol Slc34a1	Synonyms	Npt2, Npt2a, Slc17a2, NaPi-IIa
	NCBI ID	20505
	MGI ID	1345284
	Ensembl ID	ENSMUSG00000021490
	Human Ortholog	SLC34A1

説明

Exon 3-6 of Slc34a1 gene was deleted to generate Slc34a1 knockout mice.

応用分野: Research on mineral absorption and synthesis of parathyroid hormone

*Literature published using this strain should indicate: Slc34a1-KO mice (Cat. NO. NM-KO-200642) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Hereditary Hypophosphatemic Rickets With Hypercalciuria	表現型	MGI:4359221 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Slc34A3-KO(NM-KO-2105936) mice.
	参考文献	Segawa H, Onitsuka A, Furutani J, Kaneko I, Aranami F, Matsumoto N, Tomoe Y, Kuwahata M, Ito M, Matsumoto M, Li M, Amizuka N, Miyamoto K, Npt2a and Npt2c in mice play distinct and synergistic roles in inorganic phosphate metabolism and skeletal development. Am J Physiol Renal Physiol. 2009 Sep;297(3):F671-8

hereditary hypophosphatemic rickets with hypercalciuria	表現型	MGI:3029314
	参考文献	Beck L, Karaplis AC, Amizuka N, Hewson AS, Ozawa H, Tenenhouse HS, Targeted inactivation of Npt2 in mice leads to severe renal phosphate wasting, hypercalciuria, and skeletal abnormalities. Proc Natl Acad Sci U S A. 1998 Apr 28;95(9):5372-7

表現型データ

No data