

Gnas-Flox

系統名	C57BL/6Smoc- <i>Gnas</i> ^{tm1(flox)Smoc}
SMOC番号	NM-CKO-200300
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol Gnas	Synonyms	P1, P2, P3, GSP, Gsa, POH, GPSA, Nesp, SCG6, Gnas1, Nespl, PHP1A, PHP1B, Gnasxl, Nesp55, Oedsml, Galphas, Oed-Sml, Gs-alpha, 5530400H20Rik, A930027G11Rik, C130027O20Rik
	NCBI ID	14683
	MGI ID	95777
	Ensembl ID	ENSMUSG00000027523
	Human Ortholog	GNAS

説明

These mice carry loxP sites flanking exon 1 of Gnas gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Gnas gene.

*Literature published using this strain should indicate: Gnas-Flox mice (Cat. NO. NM-CKO-200300) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

pseudohypoparathyroidism	表現型	MGI:5818291 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Slc5a2-cre mice.
	参考文献	Zhu Y, He Q, Aydin C, Rubera I, Tauc M, Chen M, Weinstein LS, Marshansky V, Juppner H, Bastepe M, Ablation of the Stimulatory G Protein alpha-Subunit in Renal Proximal Tubules Leads to Parathyroid Hormone-Resistance With Increased Renal Cyp24a1 mRNA Abundance and Reduced Serum 1,25-Dihydroxyvitamin D. Endocrinology. 2016 Feb;157(2):497-507

表現型データ

No data