Gjb2-Flox

系統名	C57BL/6Smoc-*Gjb2*$^{em1(flox)Smoc}$
SMOC番号	NM-CKO-210062
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol **Gjb2**	**Synonyms**	Cx26， Cnx26， Gjb-2，AI325222
	NCBI ID	14619
	MGI ID	95720
	Ensembl ID	ENSMUSG00000046352
	Human Ortholog	GJB2

説明

These mice carry loxP sites flanking exon 2 of Gjb2 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Gjb2 gene.
*Literature published using this strain should indicate: Gjb2-Flox mice (Cat. NO. NM-CKO-210062) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Autosomal Recessive Nonsyndromic Deafness 1A	**表現型**	MGI:5571190 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Sox10-cre mice.
	参考文献	Takada Y, Beyer LA, Swiderski DL, O'Neal AL, Prieskorn DM, Shivatzki S, Avraham KB, Raphael Y, Connexin 26 null mice exhibit spiral ganglion degeneration that can be blocked by BDNF gene therapy. Hear Res. 2014 Mar;309:124-35

Autosomal Dominant Keratitis-Ichthyosis-Deafness Syndrome	**表現型**	MGI:4867484 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pgk1-cre mice.
	参考文献	Schutz M, Auth T, Gehrt A, Bosen F, Korber I, Strenzke N, Moser T, Willecke K, The connexin26 S17F mouse mutant represents a model for the human hereditary keratitis-ichthyosis-deafness syndrome. Hum Mol Genet. 2011 Jan 1;20(1):28-39
Autosomal Recessive Nonsyndromic Deafness 1A	**表現型**	MGI:3588875 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Otog-cre mice.
	参考文献	Cohen-Salmon M, Ott T, Michel V, Hardelin JP, Perfettini I, Eybalin M, Wu T, Marcus DC, Wangemann P, Willecke K, Petit C, Targeted ablation of connexin26 in the inner ear epithelial gap junction network causes hearing impairment and cell death. Curr Biol. 2002 Jul 9;12(13):1106-11

表現型デ□タ

No data