S1pr2-KO

Nomenclature	C57BL/6Smoc-*S1pr2*^{em1Smoc}
Cat. NO.	NM-KO-200747
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol **S1pr2**	**Synonyms**	Edg5, H218, LPb2, S1P2, Gpcr13, 1100001A16Rik
	NCBI ID	14739
	MGI ID	99569
	Ensembl ID	ENSMUSG00000043895
	Human Ortholog	S1PR2

Model Description

Exon 2 of S1pr2 gene was deleted to generate S1pr2 knockout mice.
*Literature published using this strain should indicate: S1pr2-KO mice (Cat. NO. NM-KO-200747) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autosomal Recessive Nonsyndromic Deafness 68	**Phenotype(s)**	MGI:3692665
	Reference(s)	Santos-Cortez RL, Faridi R, Rehman AU, Lee K, Ansar M, Wang X, Morell RJ, Isaacson R, Belyantseva IA, Dai H, Acharya A, Qaiser TA, Muhammad D, Ali RA, Shams S, Hassan MJ, Shahzad S, Raza SI, Bashir ZE, Smith JD, Nickerson DA, Bamshad MJ, Riazuddin S, Ahmad W, Friedman TB, Leal SM, Autosomal-Recessive Hearing Impairment Due to Rare Missense Variants within S1PR2. Am J Hum Genet. 2016 Feb 4;98(2):331-8

Non-Hodgkin Lymphoma	**Phenotype(s)**	MGI:5882507
	Reference(s)	Cattoretti G, Mandelbaum J, Lee N, Chaves AH, Mahler AM, Chadburn A, Dalla-Favera R, Pasqualucci L, MacLennan AJ, Targeted disruption of the S1P2 sphingosine 1-phosphate receptor gene leads to diffuse large B-cell lymphoma formation. Cancer Res. 2009 Nov 15;69(22):8686-92

Validation Data

No data