

Plcb1-KO

Nomenclature	C57BL/6Smoc- <i>Plcb1</i> ^{em1Smoc}
Cat. NO.	NM-KO-201324
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Plcb1	Synonyms	Plcb, AI132408, mKIAA0581, 3110043I21Rik
	NCBI ID	18795
	MGI ID	97613
	Ensembl ID	ENSMUSG000000051177
	Human Ortholog	PLCB1

Model Description

Exon 7 of Plcb1 gene was deleted to generate Plcb1 knockout mice.

*Literature published using this strain should indicate: Plcb1-KO mice (Cat. NO. NM-KO-201324) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Alzheimer's disease	Phenotype(s)	MGI:2652553
	Reference(s)	Kim D, Jun KS, Lee SB, Kang NG, Min DS, Kim YH, Ryu SH, Suh PG, Shin HS, Phospholipase C isozymes selectively couple to specific neurotransmitter receptors. Nature. 1997 Sep 18;389(6648):290-3

Schizophrenia	Phenotype(s)	MGI:4353812
	Reference(s)	McOmish CE, Burrows E, Howard M, Scarr E, Kim D, Shin HS, Dean B, van den Buuse M, Hannan AJ, Phospholipase C-beta1 knockout mice exhibit endophenotypes modeling schizophrenia which are rescued by environmental enrichment and clozapine administration. Mol Psychiatry. 2008 Jul;13(7):661-72

Validation Data

No data