

Cldn16-KO

Nomenclature	C57BL/6Smoc- <i>Cldn16</i> ^{em1Smoc}
Cat. NO.	NM-KO-200632
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Cldn16	Synonyms	PCLN1, claudin-16
	NCBI ID	114141
	MGI ID	2148742
	Ensembl ID	ENSMUSG00000038148
	Human Ortholog	CLDN16

Model Description

Exon 2 of Cldn16 gene was deleted to generate Cldn16 knockout mice.

Research Application: Sertoli-Sertoli cell junction dynamics and cell junction organization related research

*Literature published using this strain should indicate: Cldn16-KO mice (Cat. NO. NM-KO-200632) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Renal Hypomagnesemia 3	Phenotype(s)	MGI:4453304
	Reference(s)	Will C, Breiderhoff T, Thumfart J, Stuiver M, Kopplin K, Sommer K, Gunzel D, Querfeld U, Meij IC, Shan Q, Bleich M, Willnow TE, Muller D, Targeted deletion of murine Cldn16 identifies extra- and intrarenal compensatory mechanisms of Ca ²⁺ and Mg ²⁺ wasting. Am J Physiol Renal Physiol. 2010 May;298(5):F1152-61

Validation Data

No data

