Slc17A8-KO

Nomenclature	C57BL/6Smoc-*Slc17A8*^{em1Smoc}
Cat. NO.	TBD
Strain State	Developing

Gene Summary

Gene Symbol Slc17a8	**Synonyms**	Vglut3， BC042593
	NCBI ID	216227
	MGI ID	3039629
	Ensembl ID	ENSMUSG00000019935
	Human Ortholog	SLC17A8

Model Description

Exon 2 of Slc17A8 gene was deleted to generate Slc17A8 knockout mice.
*Literature published using this strain should indicate: Slc17A8-KO mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autosomal Dominant Nonsyndromic Deafness 25	**Phenotype(s)**	MGI:3804682
	Reference(s)	Ruel J, Emery S, Nouvian R, Bersot T, Amilhon B, Van Rybroek JM, Rebillard G, Lenoir M, Eybalin M, Delprat B, Sivakumaran TA, Giros B, El Mestikawy S, Moser T, Smith RJ, Lesperance MM, Puel JL, Impairment of SLC17A8 encoding vesicular glutamate transporter-3, VGLUT3, underlies nonsyndromic deafness DFNA25 and inner hair cell dysfunction in null mice. Am J Hum Genet. 2008 Aug;83(2):278-92

Validation Data

No data