

Alpl-KO

Nomenclature	C57BL/6Smoc- <i>Alpl</i> ^{tm1Smoc}
Cat. NO.	NM-KO-18058
Strain State	Repository Live

Gene Summary

Gene Symbol Alpl	Synonyms	ALP; Akp2; TNAP; Akp-2; APTNAP; TNSALP
	NCBI ID	11647
	MGI ID	87983
	Ensembl ID	ENSMUSG00000028766
	Human Ortholog	ALPL

Model Description

This Alpl knockout mouse model was obtained by knocking out the exon 3-4 region of the Alpl gene.

*Literature published using this strain should indicate: Alpl-KO mice (Cat. NO. NM-KO-18058) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Childhood Hypophosphatasia	Phenotype(s)	MGI:2174902
	Reference(s)	Waymire KG, Mahuren JD, Jaje JM, Guilarte TR, Coburn SP, MacGregor GR, Mice lacking tissue non-specific alkaline phosphatase die from seizures due to defective metabolism of vitamin B-6. Nat Genet. 1995 Sep;11(1):45-51
Infantile Hypophosphatasia	Phenotype(s)	MGI:2654850
	Reference(s)	Narisawa S, Frohlander N, Millan JL, Inactivation of two mouse alkaline phosphatase genes and establishment of a model of infantile hypophosphatasia. Dev Dyn. 1997 Mar;208(3):432-46

Validation Data

No data
