

Rag1-KO

Nomenclature	C57BL/6Smoc- <i>Rag1</i> ^{em1Smoc}
Cat. NO.	TBD
Strain State	Developing

Gene Summary

Gene Symbol Rag1	Synonyms	Rag-1
	NCBI ID	19373
	MGI ID	97848
	Ensembl ID	ENSMUSG00000061311
	Human Ortholog	RAG1

Model Description

Exon 2 of Rag1 gene was deleted to generate Rag1 knockout mice.

*Literature published using this strain should indicate: Rag1-KO mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Medulloblastoma	Phenotype(s)	MGI:3818748 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Trp53-KO(NM-KO-191203) and Xrcc5-KO(NM-KO-202153) mice.
	Reference(s)	Holcomb VB, Vogel H, Marple T, Kornegay RW, Hasty P, Ku80 and p53 suppress medulloblastoma that arise independent of Rag-1-induced DSBs. Oncogene. 2006 Nov 16;25(54):7159-65

Validation Data

No data

