

# Ccr1-KO

<b>Nomenclature</b>	C57BL/6Smoc- <i>Ccr1</i> <sup>em1Smoc</sup>
<b>Cat. NO.</b>	NM-KO-190768
<b>Strain State</b>	Sperm cryopreservation

## Gene Summary

<b>Gene Symbol</b> <b>Ccr1</b>	<b>Synonyms</b>	Cmkbr1; Mip-1a-R
	<b>NCBI ID</b>	<a href="#">12768</a>
	<b>MGI ID</b>	<a href="#">104618</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000025804</a>
	<b>Human Ortholog</b>	CCR1

## Model Description

Exon 2 of *Ccr1* gene was deleted to generate *Ccr1* knockout mice.

**Research Application:** Knockout studies of the mouse homolog suggested the roles of this gene in host protection from inflammatory response, and susceptibility to virus and parasite.

\*Literature published using this strain should indicate: *Ccr1*-KO mice (Cat. NO. NM-KO-190768) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

<b>Coronavirus Infectious Disease</b>	<b>Phenotype(s)</b>	<a href="#">MGI:3614443</a>
	<b>Reference(s)</b>	Sheahan T, Morrison TE, Funkhouser W, Uematsu S, Akira S, Baric RS, Heise MT, MyD88 is required for protection from lethal infection with a mouse-adapted SARS-CoV. PLoS Pathog. 2008 Dec;4(12):e1000240

## Validation Data

No data