

# hC1R

<b>Nomenclature</b>	C57BL/6Smoc- <i>C1ra</i> <sup>em1(hC1R)/Smoc</sup>
<b>Cat. NO.</b>	NM-HU-2000075
<b>Strain State</b>	Sperm cryopreservation

## Gene Summary

<b>Gene Symbol</b> <b>C1ra</b>	<b>Synonyms</b>	C1r; mC1rA; AI132558
	<b>NCBI ID</b>	<a href="#">50909</a>
	<b>MGI ID</b>	<a href="#">1355313</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000055172</a>
	<b>Human Ortholog</b>	C1RA

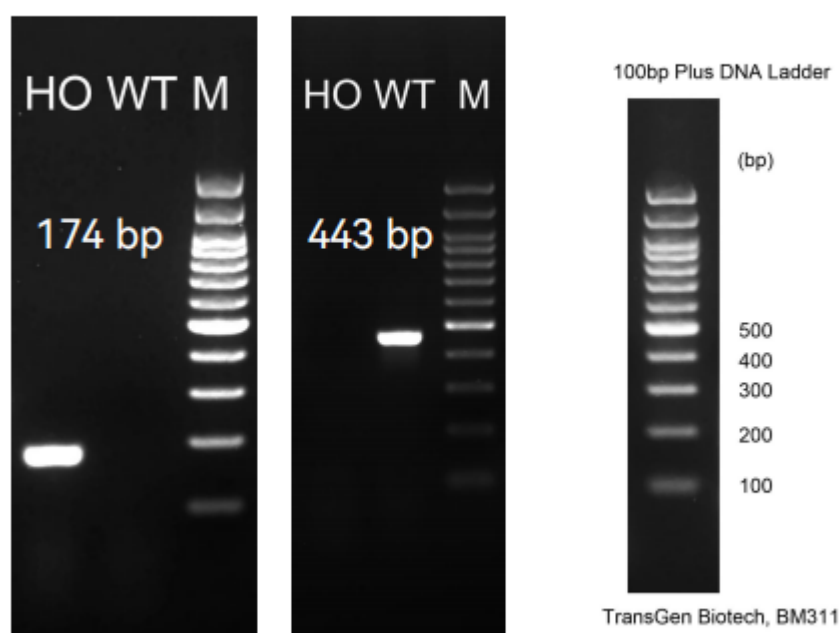
## Model Description

The endogenous mouse C1ra gene was replaced by human C1R gene.

**Research Application:** Immunotherapy, drug screening

\*Literature published using this strain should indicate: hC1R mice (Cat. NO. NM-HU-2000075) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data



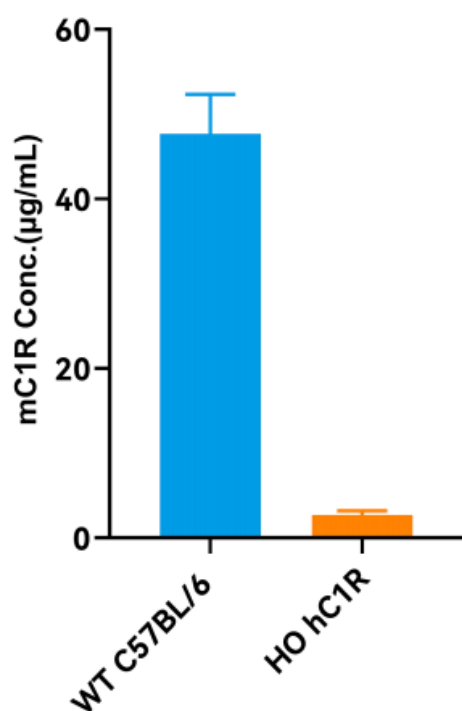
**Fig1. Detection of C1R expression in bladder and liver by RT-PCR.**

Wild type: only one band at 443 bp with primers F1/R1(mC1r);

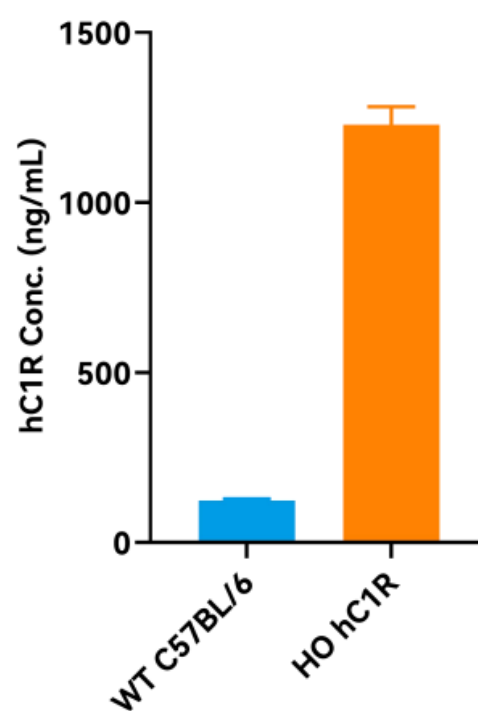
Homozygous: only one band at 174 bp with primers F2/R2(hC1R);

Abbr. M, DNA marker; HO, homozygous; HE, heterozygous; WT, wild type.

**A**



**B**



**Fig2. Detection of hC1R expression in serum by ELISA (n=6).**

Abbr. HO, homozygous; WT, wild type.