

# 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><br><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                               |

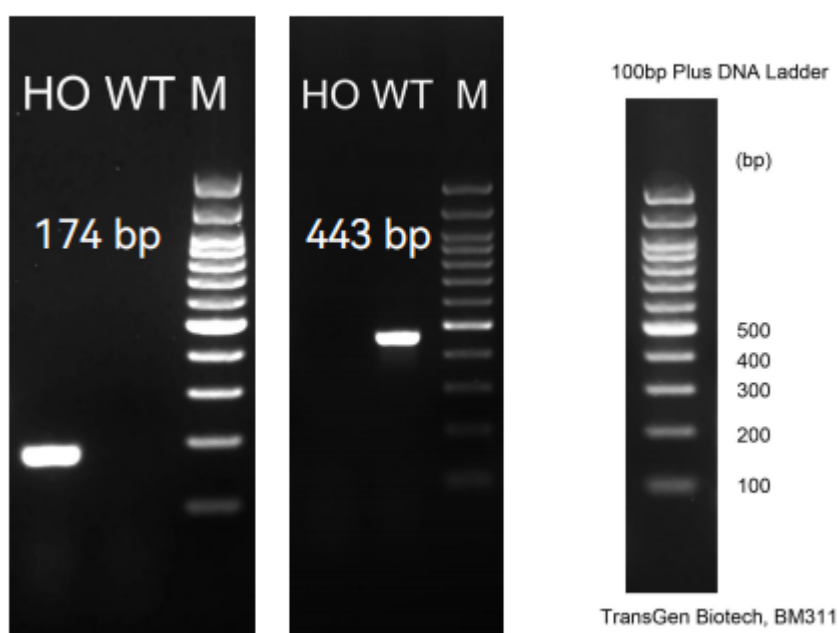
## Model Description

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



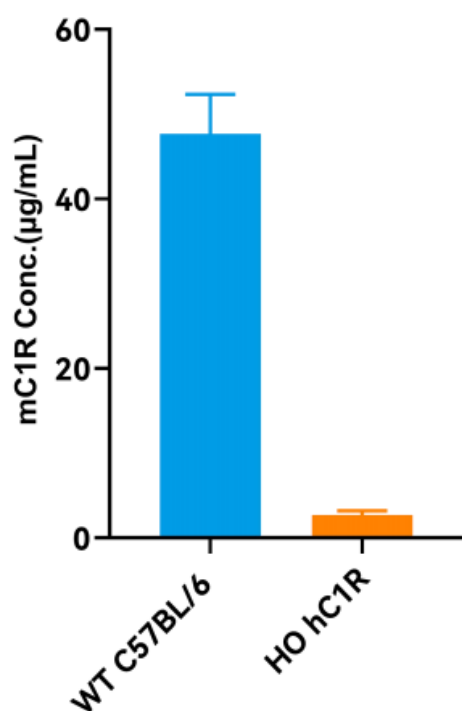
**Fig1. Detection of C1R expression in bladder and liver by RT-PCR.**

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

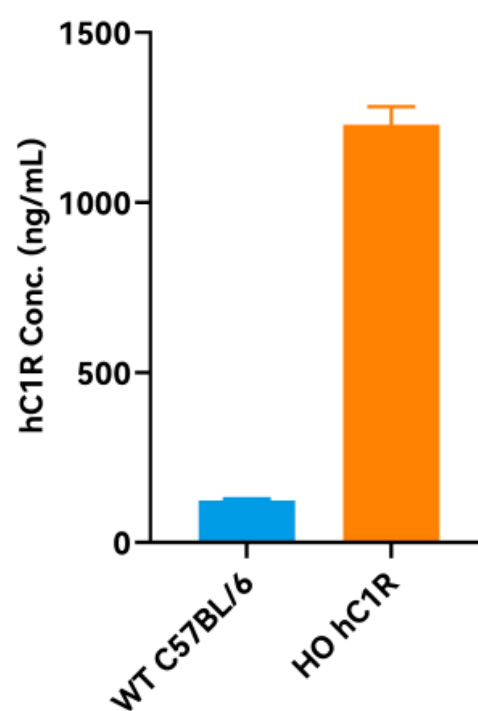
Homozygous: only one band at 174 bp with primers F2/R2(hC1R);

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.