

# hF12

|                     |                                                   |
|---------------------|---------------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>F12</i> <sup>tm1(hF12)/Smoc</sup> |
| <b>Cat. NO.</b>     | NM-HU-210017                                      |
| <b>Strain State</b> | Repository Live                                   |

## Gene Summary

|                                  |                       |                                    |
|----------------------------------|-----------------------|------------------------------------|
| <b>Gene Symbol</b><br><b>F12</b> | <b>Synonyms</b>       | HAF; FXII                          |
|                                  | <b>NCBI ID</b>        | <a href="#">58992</a>              |
|                                  | <b>MGI ID</b>         | <a href="#">1891012</a>            |
|                                  | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000021492</a> |
|                                  | <b>Human Ortholog</b> | F12                                |

## Model Description

The endogenous mice F12 gene was replaced by human F12 gene.

**Research Application:** drug screening

\*Literature published using this strain should indicate: hF12 mice (Cat. NO. NM-HU-210017) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

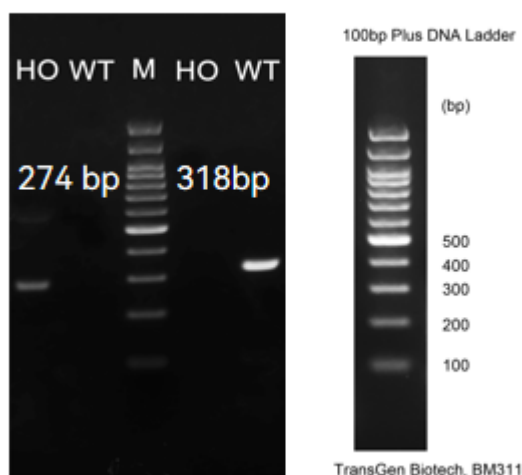


Fig1. Detection of F12 expression in liver by RT-PCR.

Wild type: only one band at 318 bp with primers F1/R1(mF12);Homozygous: only one band at 274 bp with primers F2/R2(hF12);

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

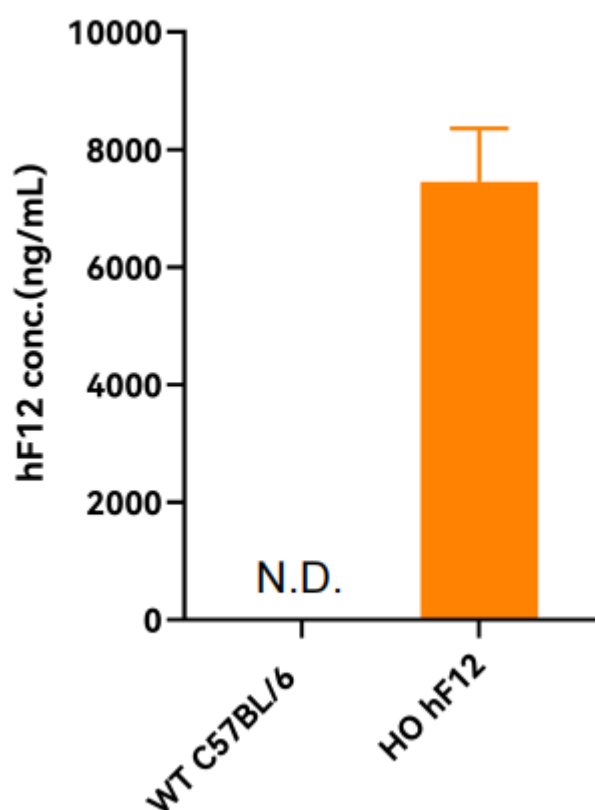


Fig 2. Detection of hF12 expression in serum by ELISA (n=2).

Abbr. HO, homozygous; HE, heterozygous; WT, wild type.

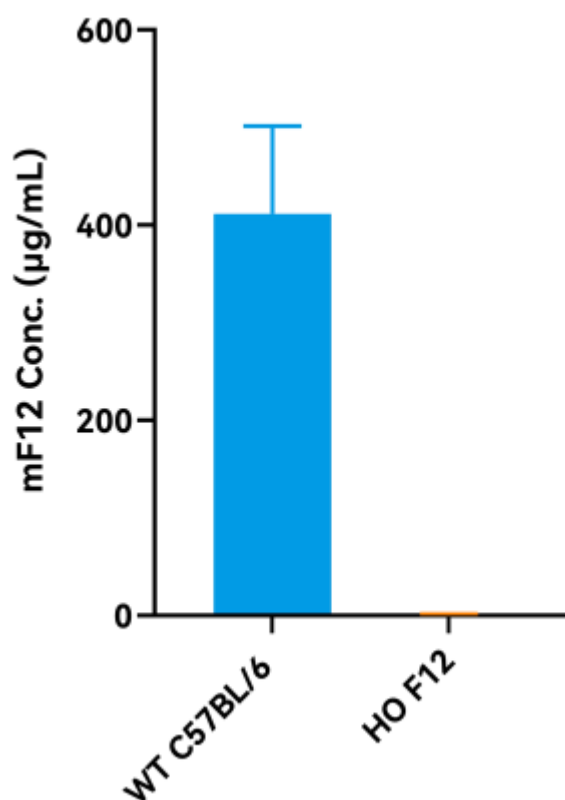


Fig3. Detection of mF12 expression in serum by ELISA (n=2).

Abbr. HO, homozygous; HE, heterozygous; WT, wild type.