



hF11(3)

利用同源重组，将小鼠F11基因进行人源化修饰。

Nomenclature	C57BL/6Smoc- <i>F11</i> ^{tm2(hF11)Smoc}
Cat. NO.	NM-HU-242534
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol F11	Synonyms	FXI; PTA; Cf11; AI503996; 1600027G01Rik
	NCBI ID	109821
	MGI ID	99481
	Ensembl ID	ENSMUSG00000031645
	Human Ortholog	F11

Model Description

利用同源重组，将小鼠F11基因进行人源化修饰。

*Literature published using this strain should indicate: hF11(3) mice (Cat. NO. NM-HU-242534) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

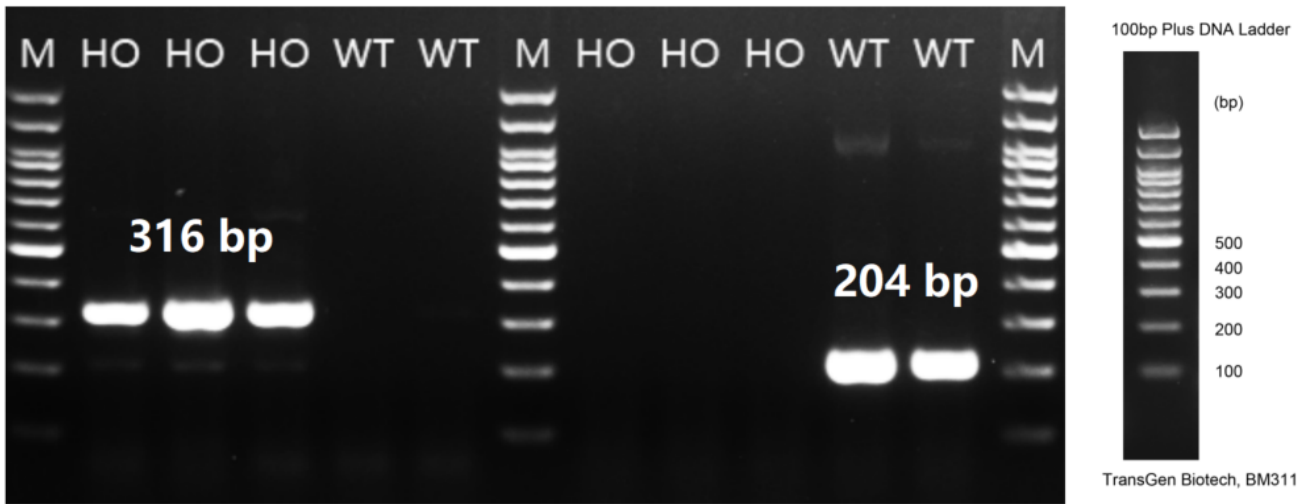


Fig.1 Detection of *F11* expression in liver by RT-PCR. Mouse *F11* mRNA (204 bp) was detectable only in wild-type C57BL/6 mice. Human *F11* mRNA (316 bp) was detectable only in homozygous hF11(3) knockin mice but not in wild-type mice. Liver RNA was extracted from 9-year-old male wild-type C57BL/6 (WT) and homozygous hF11(3) knockin mice (HO) (n=2), then cDNA libraries were synthesized by reverse transcription, followed by PCR with mRNA primers.

Abbr. M, marker; HO, homozygous; WT, wild type.

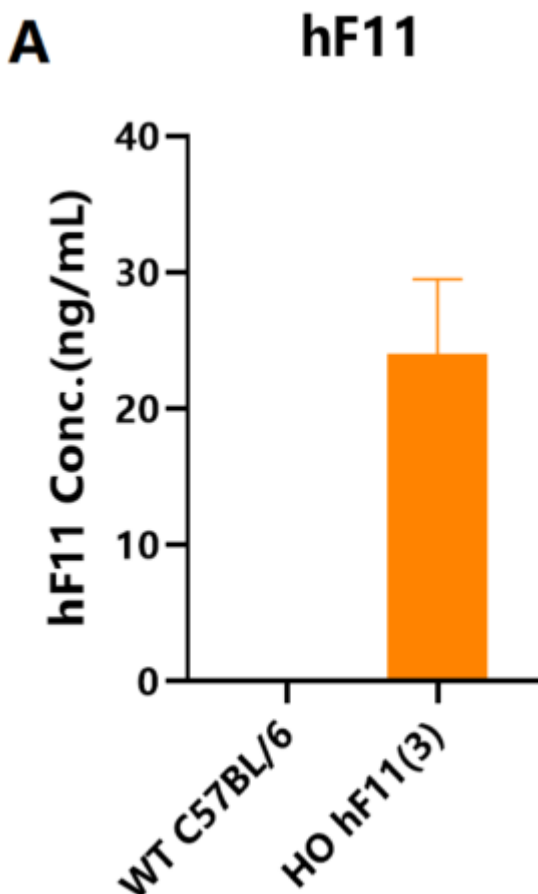


Fig.2 Detection of human F11(A) expression in serum of WT C57BL/6 mice and HO hF11(3) mice by ELISA. F11 was detectable in serum from both WT C57BL/6 and HO hF11(3) mice, Human F11 was exclusively detectable in homozygous hF11(3) knockin mice. Serum was collected from wild-type C57BL/6 mice (n=2, 6 weeks old) and HO hF11(3) mice (n=3, male, 6 weeks old), and analyzed by ELISA with anti-hF11 ELISA kit.

Abbr. HO, homozygous; WT, wild type.
