

hGIPR

利用同源重组，将小鼠Gipr基因进行人源化修饰。

品系全名	C57BL/6Smoc- <i>Gipr</i> ^{tm2(hGIPR)Smoc}
目录号	NM-HU-225064
品系状态	活体

基因信息

基因名 Gipr	基因曾用名	GIP-R; Gm160; Gm1081
	NCBI ID	381853
	MGI ID	1352753
	Ensembl ID	ENSMUSG00000030406
	人类同源基因	GIPR

品系描述

利用同源重组，将小鼠Gipr基因进行人源化修饰。

*使用本品系发表的文献需注明: hGIPR mice (Cat. NO. NM-HU-225064) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

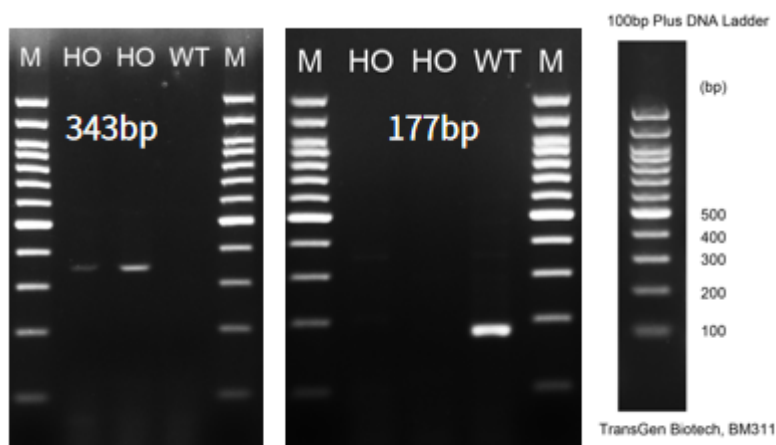


Fig.1 Detection of GIPR expression in brain by RT-PCR.

Wild type: only one band at 177 bp with primers F1/R1 (mGipr);

Homozygous: only one band at 343 bp with primers F2/R2 (hGIPR).

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

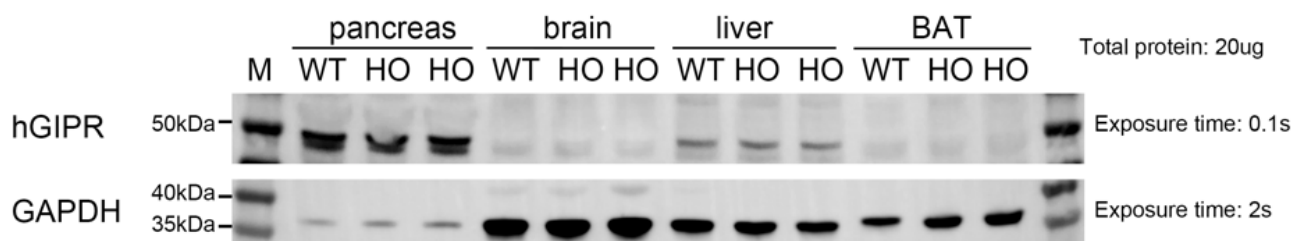


Fig. 2 Detection of human GIPR expression in hGIPR mice by WB.

Abbr. M,marker; HO, homozygous; WT, wild type; BAT, brown adipose tissue.

Note. The anti-human GIPR Antibody cross-reacted with mouse GIPR and humanized GIPR.

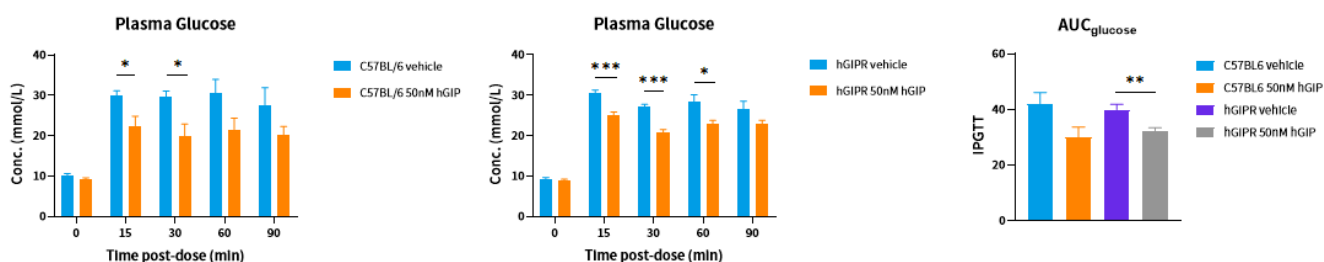


Fig. 3 In vivo function of hGIP in IPGTT. Concentration of Plasma glucose were measured after intraperitoneal injection of glucose and 50 nM/kg human GIP (Cat. HY-P0276, MCE) in 6-8 weeks old wild-type C57BL/6 male mice and hGIPR male mice (n = 6); Average \pm SEM; * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$; (Student's t test).