

Figure S1 Representative pictures of lentivirus-mediated gene expression in mouse livers. P1 pups were inoculated with 10^6 p.f.u. lentiviral particles as indicated by i.p. injection for three consecutive days. At P7, the pups were sacrificed and the livers were isolated for frozen sectioning. The expression of GFP was detected with a rabbit anti-GFP antibody. The nucleus was counterstained with DAPI. Magnification, 200 \times ; scale bar, 50 μ m. P1, postnatal day 1; p.f.u., plaque forming unit; i.p., intraperitoneal; P7, postnatal day 7; GFP, green fluorescent protein; DAPI, 4, 6'-diamidino-2-phenylindole; DMSO, dimethyl sulfoxide; OE-GFP, overexpression-green fluorescent protein.

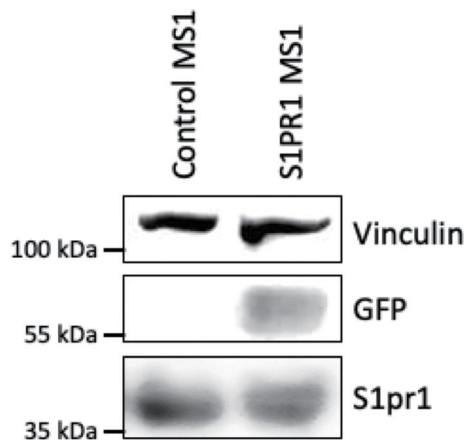


Figure S2 Verification of S1PR1-GFP expression in the stable MS1 line by Western blot. The S1PR1-GFP and control MS1 lines were generated with infection of the control and S1PR1-GFP-expressing lentiviruses, respectively. The expression of S1PR1-GFP was confirmed with the anti-GFP antibody, while the expression of endogenous S1pr1 and vinculin served as the internal control. S1PR1, human sphingosine 1-phosphate receptor 1; GFP, green fluorescent protein; MS1, a mouse islet EC line; S1pr1, mouse sphingosine 1-phosphate receptor 1.