

SUPPLEMENTARY DATA

GEO accession numbers.

Array data were deposited at the Gene Expression Omnibus (National Center for Biotechnology Information) with accession numbers GSM527655, GSM527857, GSM528050 and GSM528051. The array data are also available in a series with accession number GSE21390.

Supplementary Table 1. Primers and product size for genotyping of mice.

Mouse gene	Primers for genotyping PCR	Product size (bp)
<i>Cck1R</i>	5'-AGTGAGCCATTCACCAGCTCGCCAG-3'	Wild type = 220
	5'-GTTGCTATATCTCCCTTACCTTGGTAG-3'	Disrupted = 285
	5'-TGCGCAACTGTTGGGAAGGGCGATC-3'	

Supplementary Table 2. Sequences of the Primers for real-time PCR

Primers	Forward primer (5'-3')	Reverse primer (5'-3')
Mouse genes		
<i>Cck</i>	CGCGATACATCCAGCAGGTC	AAATCCATCCAGCCCATGTAGTC
<i>Cck1R</i>	TGTTGCCCGAATCCTGGTC	GGTGCTCATGTGGCTGTAGGAA
<i>Cck2R</i>	TGACAAGGGCTGATTGGCTTC	AGGCAATGATGAGGTCAAAGTGG
<i>Cd68</i>	CATCAGAGCCCGAGTACAGTCTACC	AATTCTGCGCCATGAATGTCC
<i>Ccl2</i>	GCATCCACGTGTTGGCTCA	CTCCAGCCTACTCATTGGGATCA
<i>Icam1</i>	CAATTCACACTGAATGCCAGCTC	CAAGCAGTCCGTCTCGTCCA
<i>Actb</i>	CATCCGTAAAGACCTCTATGCCAAC	ATGGAGCCACCGATCCACA
<i>Kim1</i>	CCTTGTGAGCACCGTGGCTA	TGTTGTCTTCAGCTCGGGAATG
Rat genes		
<i>Cd68</i>	TGTACCTGACCCAGGGTGGAA	GAATCCAAAGGTAAGCTGTCCGTAA
<i>Ccl2</i>	CTATGCAGGTCTCTGTCACGCTTC	CAGCCGACTCATTGGGATCA
<i>Icam1</i>	ACAAGTGCCGTGCCTTTAGCTC	GATCACGAAGCCCGCAATG
<i>Tgfb1</i>	TGCGCCTGCAGAGATTCAAG	AGGTAACGCCAGGAATTGTTGCTA
<i>Tnf</i>	AACTCGAGTGACAAGCCCGTAG	GTACCACCAGTTGGTTGTCTTTGA
<i>Actb</i>	GGAGATTACTGCCCTGGCTCCTA	GACTCATCGTACTCCTGCTTGCTG
<i>Kim1</i>	CAAGGCCCACTAATTTCACAAG	TCTGTACCTCAGCAGTTGTCTCA
<i>Nphs1</i>	TGATTGGCGGCTAGGACTTAGG	TAAGCATGCACACATCGCACA
Human genes		
<i>TNF</i>	GACAAGCCTGTAGCCCATGTTGTA	CAGCCTTGGCCCTTGAAGA
<i>ACTB</i>	TGGCACCCAGCACAAATGAA	CTAAGTCATAGTCCGCCTAGAAGCA

SUPPLEMENTARY DATA

Supplementary Table 3. Metabolic characteristics of BMT mice (4 weeks after induction of diabetes)

	WT→WT	WT→1R^{-/-}	1R^{-/-}→WT
<i>n</i>	4	6	6
SBP, mmHg	100.5 ± 2.1	94.5 ± 1.8	97.7 ± 1.3
BW, g	22.5 ± 0.3	21.6 ± 0.5	22.7 ± 0.4
Kidney weight, mg/g BW	12.4 ± 0.3	11.3 ± 0.6	13.3 ± 0.6*
A1c, %	5.2 ± 0.2	5.2 ± 0.3	5.4 ± 0.5
WBC count, x10 ³ /μl	5.7 ± 1.2	4.0 ± 0.4	5.2 ± 0.6
Cr, mg/dl	0.14 ± 0.01	0.13 ± 0.01	0.13 ± 0.01
Ccr, ml·min ⁻¹ ·g BW ⁻¹	6.7 ± 2.1	7.8 ± 1.8	9.4 ± 1.1

WT→WT, WT mice that received a bone marrow transplant from WT mice; WT→1R^{-/-}, CCK-1 receptor deficient mice that received a bone marrow transplant from WT mice; 1R^{-/-}→WT, WT mice that received a bone marrow transplant from CCK-1 receptor deficient mice; A1c, hemoglobin A1c; WBC; white blood cell, Cr, creatinine; Ccr, creatinine clearance. Values are the means ± SEM. *, *P* < 0.05 vs. other groups.