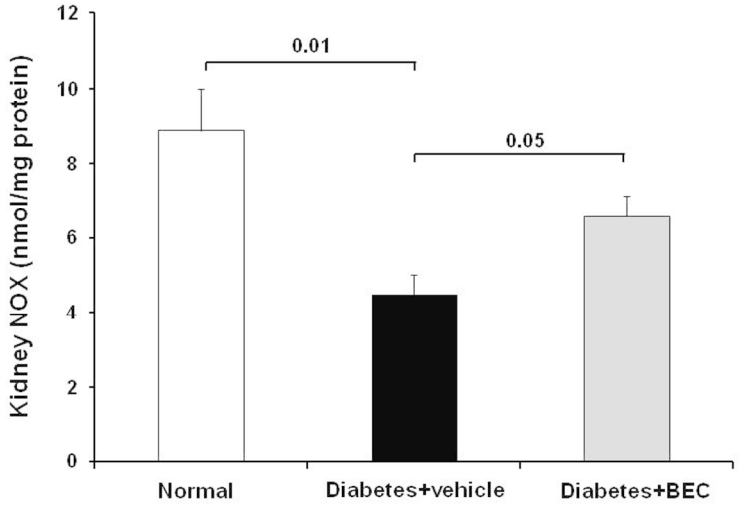
Supplemental Fig. 1

DBA/2J mice (The Jackson Laboratory, stock number 000671) were given multiple intraperitoneal injections of vehicle or STZ. Mice were treated with BEC (2.3 mg/kg/day) or vehicle via osmotic minipump for 6 weeks (*Diabetes 60:3015-22; 2011*). Following euthanasia, kidneys were immediately frozen and stored at -80˚C. Samples of frozen kidney were extracted in PBS buffer and insoluble material removed by centrifugation. Nitric oxide end products (NOx) in kidney extracts were determined using a Nitrate/Nitrite Colorimetric Assay Kit (Cayman Chemical, Ann Arbor, Michigan) and normalized to total kidney protein concentration (Bio-Rad Laboratories, Hercules, CA). Results are means ± SEM for n = 4–6 mice in each group.

Supplemental Figure 1



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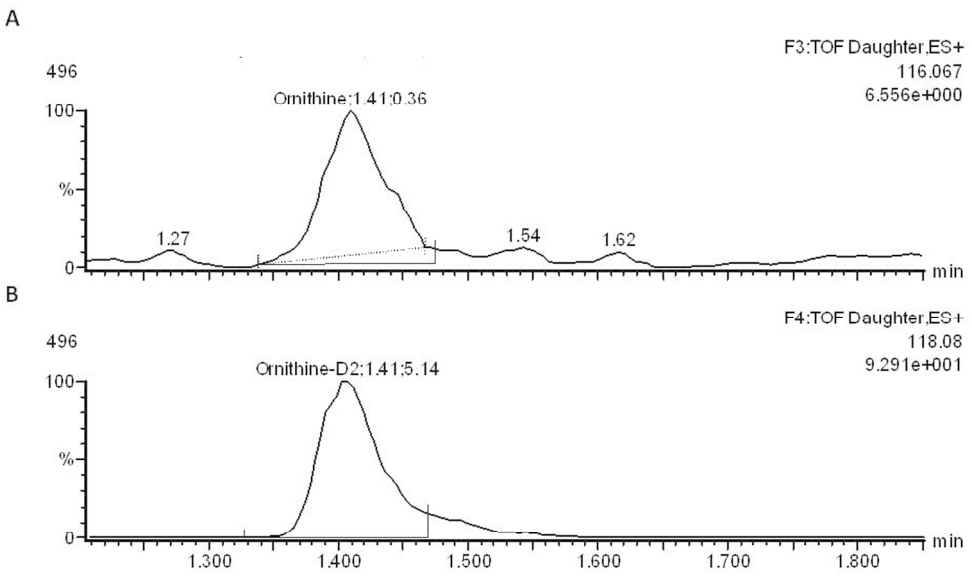
Supplemental Fig. 2

Kidney tissue lysates prepared in 3M perchloric acid were subjected to UPLC-MS to measure ornithine concentration. Ornithine was eluted at retention time of 1.14 minutes. Ornithine (**A**) and isotope labeled internal ornithine standard (**B**) were demonstrated in the chromatograph.

Supplemental Figure 2



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