Supplementary figures for original article:

## FGF7-induced E11 facilitates cell-cell communication through connexin43

## Supplementary figures Figure S1 В Α 10° 10<sup>-1</sup> 10-2 Ratio to GAPDH 10° 10<sup>-3</sup> 10 10-4 10 10-5 10-3 10-6 10-7 FGFR2 Varients FGFR3IIID FGFRZIIID FGFR3IIC FGFRAME FOFRA FGFRL **Primary Osteoblasts** С D 10° 10<sup>-1</sup> 10-2 Ratio to GAPDH 10° 10-3 10 10-2 10-4 10<sup>-3</sup> 10-5 10⁴ 10-6 10 FGFRZIIID FGFR3IIID FGFRAME FOFRA MC3T3-E1 cell line

Figure S1. The high expression of Fgf7 in primary osteoblasts and MC3T3-E1 cell line.

- (A). qPCR results showing the expression of the whole fibroblast growth family members in primary osteoblasts and found that the expression of Fgf7 was higher than other members.
- (B). qPCR results showing the expression of the subtypes of fibroblast growth family receptor members in primary osteoblasts.
- (C). qPCR results showing the expression of the whole fibroblast growth family members in the MC3T3-E1 cell line and found that the expression of *Fgf*7 was higher than other members.
- (D). qPCR results showing the expression of the subtypes of fibroblast growth family receptor members in MC3T3-E1 cell line.

Figure S2

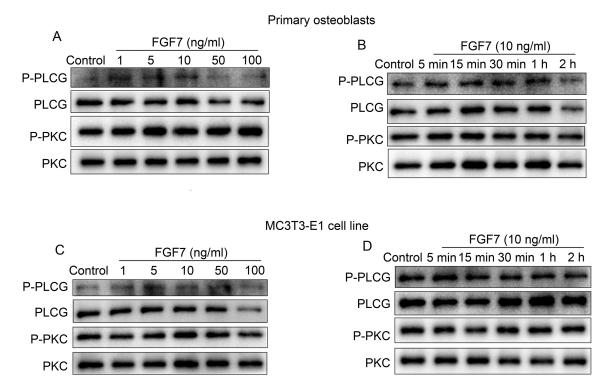


Figure S2. Effect of FGF7 on PLC/PKC pathway activation.

(A-D). Western blotting showing P-PLCG/PLCG and P-PKC/PKC ratios did not increase in both concentration and time-dependent manner in primary osteoblasts and MC3T3-E1 cell line in response to FGF7. The results were based on three independent experiments (n = 3).