Figure S1. Fluorescence intensities of TM6SF2 in LX-2 cells. Non-treated and TM6SF2 knockdown LX-2 were stained with anti-TM6SF2 monoclonal antibody. The bound antibodies were detected with an Alexa 594-conjugated antibody against rabbit IgG. Fluorescence intensities of TM6SF2 were shown in box-whisker plot. *P<0.05. TM6SF2, transmembrane 6 superfamily 2; si, small interfering.

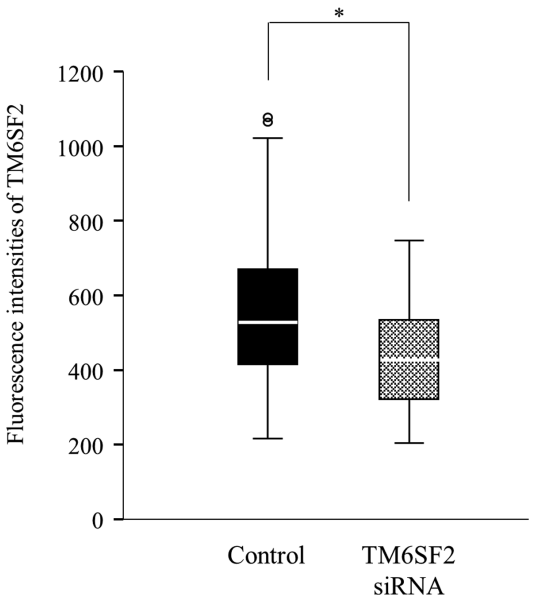

Figure S2. Immunostaining of TM6SF2 in LX-2 cells. Non-treated and TM6SF2 knockdown LX-2 were stained with anti-TM6SF2 monoclonal antibody. The bound antibodies were detected with an Alexa 594-conjugated antibody (red) against rabbit IgG. Nuclei were counterstained with bisbenzimide H 33258 (cyan). TM6SF2, transmembrane 6 superfamily 2; si, small interfering.

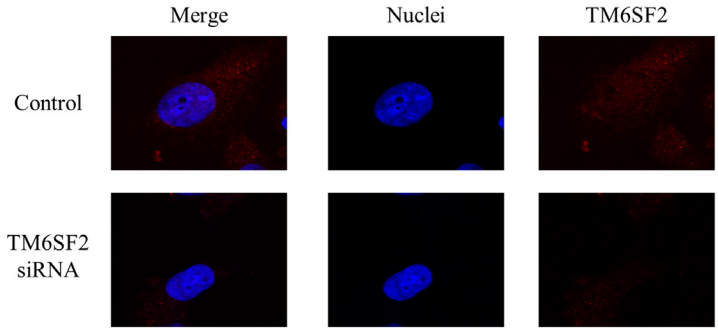

Figure S3. TM6SF2 regulates COL1A1 expression in LX-2 cells. Non-treated and TM6SF2 knocked-down LX-2 cells were stimulated with or without 10 ng/ml TGFβ for 48 h and intracellular COL1α1 expression was measured using quantitative PCR. GAPDH expression was used as a control. Experiments were performed in triplicate wells. *P<0.05. TM6SF2, transmembrane 6 superfamily 2; COL1α1, collagen, type I, α1; TGFβ, transforming growth factor β1.

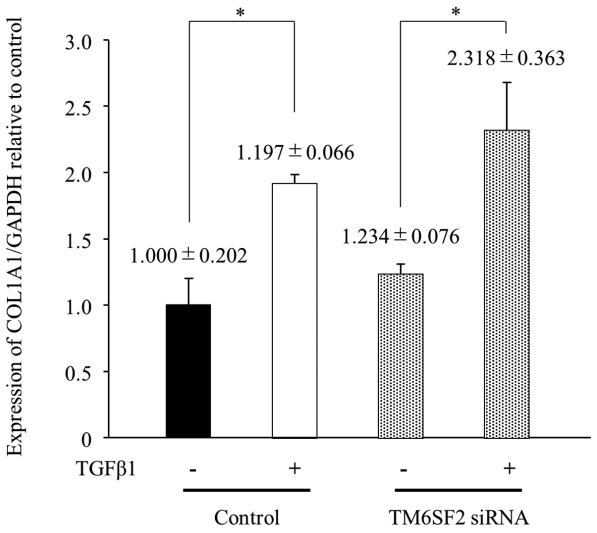

Figure S4. Impact of TM6SF2 phenotype on COL1A1 induction in LX-2 cells. The cloned TM6SF2 expression plasmids consisting of p3FLAG/TM6SF2-WT and p3FLAG/TM6SF2-MT were transiently transfected into LX-2 cells, followed by a 24-h incubation. TM6SF2 overexpressing or non-treated LX-2 cells were stimulated with or without 10 ng/ml TGFβ for 48 h and intracellular COL1α1 expression was measured using quantitative PCR. The expression of GAPDH served as a control. Experiments were performed in triplicate wells. TM6SF2, transmembrane 6 superfamily 2; WT, wild-type; MT, mutant type; COL1α1, collagen, type I, α1; TGFβ, transforming growth factor β1.