

## Article

# Promotion of Cyst Formation from a Renal Stem Cell Line Using Organ-Specific Extracellular Matrix Gel Format Culture System

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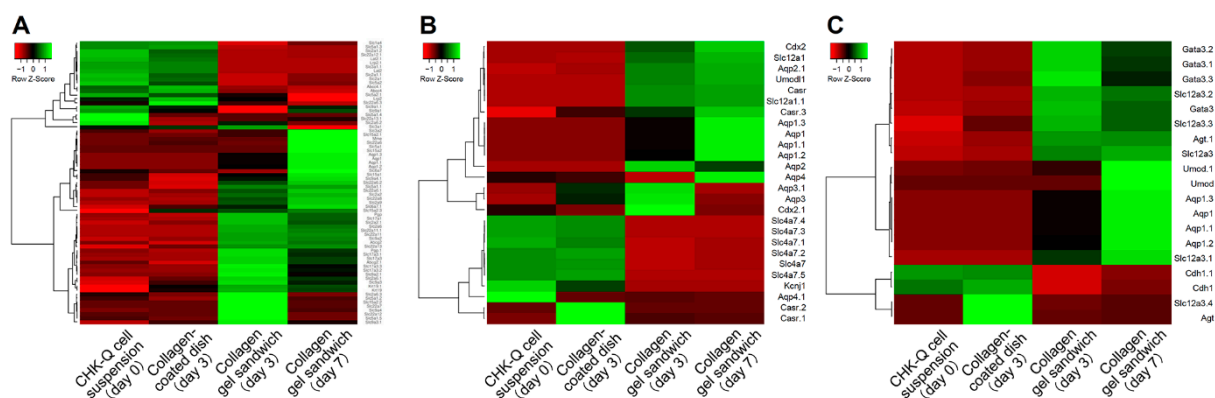
## Supplementary Information

**Table S1.** Mixing volume ratio for gel preparation.

Abbreviation	Collagen (3 mg/mL)	K- or L-ECM (9 mg/mL)	10x MEM	Reconstruction Buffer 1 (0.08 M NaOH, 0.2 M HEPES)	Reconstruction Buffer 2 (0.16 M NaOH, 0.2 M HEPES)
Collagen	8	-	1	1	-
K-ECM	6	2	1	-	1
L-ECM	6	2	1	-	1

**Table S2.** TaqMan gene expression assay numbers for real-time PCR analysis.

Gene Symbol	Gene Name	TaqMan Assay No.
<i>T</i>	<i>T brachyury transcription factor</i>	Cg04449691_g1
<i>Osr1</i>	<i>Odd-skipped related transcription factor 1</i>	Cg04509274_mH
<i>Pax8</i>	<i>Paired box 8</i>	Cg00440626_m1
<i>Aqp1</i>	<i>Aquaporin 1</i>	Cg04532077_m1
<i>Slc5a1</i>	<i>Solute carrier family 5, member 1</i>	Cg04551404_m1
<i>Kcnj1</i>	<i>Potassium inwardly-rectifying channel, subfamily J, member 1</i>	Cg04642736_s1
<i>Gata3</i>	<i>GATA binding protein 3</i>	Cg04569191_m1
<i>Aqp2</i>	<i>Aquaporin 2</i>	Cg04429866_m1
<i>Gapdh</i>	<i>Glyceraldehyde-3-phosphate dehydrogenase</i>	Cg04424038_gH



**Figure S1.** Gene expression heat map of (A) proximal tubule, (B) intermediate tubule, and (C) distal tubule in the uriniferous tubule. Pearson correlation was selected as the distance metric; average linkage clustering was selected as the linkage method.