

Product sheet

RCC-GS | 300241

General information

Description	Human renal cell carcinoma, pT3b, G1, M1/ GIII (metastatic disease) derived from patient 56, 1999.
Organism	Human
Tissue	Kidney
Disease	Renal cell carcinoma, pT3b, G1, M1/ GIII (metastatic disease)
Synonyms	KTCTL-185, KTCTL185, RCCGS

Cell characteristics

Age	56 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent, tumorigenic

Cell authentication and quality control

Citation	RCC-GS (Human Renal Cell Carcinoma) Cytion 300241
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5875

Cell surface markers and antigens

Surface antigens	CD8, CD18, CD19, CD44, CD45
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Protein expression	IL8
Tumorigenic	Yes, tumorigenic in nude mice
Mutational profile	IL8 RS1126647 3-UTR SNP T>T
Cell line characteristics	
Culture Medium	McCoy's 5a, w: 3.0 g/L Glucose, w: 100 mg/ml Penicillin, w: 2.0 mM L-Glutamine, w: 2.2 g/L NaHCO3 (Cytion 820200a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are grown in McCoy's 5a medium supplemented with 10% FBS. Cells are passaged using Trypsin. Cells are seeded in T25 flasks, 3-5 x 10 ⁵ cells per flask. Cells are passaged every 3-4 days. Cells are grown in McCoy's 5a medium supplemented with 10% FBS. Cells are passaged using Trypsin. Cells are seeded in T25 flasks, 3-5 x 10 ⁵ cells per flask. Cells are passaged every 3-4 days.
Split ratio	1:2 or 1:4
Seeding density	1 x 10 ⁴ cells/cm ²
Fluid renewal	2-3 times per week
Post-Thaw Recovery	Cells are thawed in a water bath at 37°C. Cells are seeded in T25 flasks, 3-5 x 10 ⁵ cells per flask. Cells are passaged every 3-4 days.
Freeze medium	Cells are grown in McCoy's 5a medium supplemented with 10% FBS. Cells are passaged using Trypsin. Cells are seeded in T25 flasks, 3-5 x 10 ⁵ cells per flask. Cells are passaged every 3-4 days.

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Thawing and
Culturing Cells

1. 将细胞冻存管放入 37°C 水浴中快速解冻，解冻后立即将细胞悬液转移到含有 1 mL 培养基的离心管中，离心（1500 rpm，5 min），弃去上清液，加入 1 mL 培养基，重悬细胞。
2. 将细胞悬液接种到含有 10 mL 培养基的细胞培养瓶中，将培养瓶置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。
3. 待细胞贴壁后，将细胞悬液转移到含有 1 mL 培养基的离心管中，离心（1500 rpm，5 min），弃去上清液，加入 1 mL 培养基，重悬细胞。
4. 将细胞悬液接种到含有 10 mL 培养基的细胞培养瓶中，将培养瓶置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。
5. 将细胞悬液接种到含有 10 mL 培养基的细胞培养瓶中，将培养瓶置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。
6. 将细胞悬液接种到含有 10 mL 培养基的细胞培养瓶中，将培养瓶置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。
7. 将细胞悬液接种到含有 10 mL 培养基的细胞培养瓶中，将培养瓶置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。
8. 将细胞悬液接种到含有 10 mL 培养基的细胞培养瓶中，将培养瓶置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无需涂布

Freezing
Procedure

将细胞悬液转移到含有 1 mL 冻存液的离心管中，离心（1500 rpm，5 min），弃去上清液，加入 1 mL 冻存液，重悬细胞。将离心管置于 -80°C 冰箱中冻存。

Shipping
Conditions

将细胞冻存管放入冰袋中，置于 -80°C 冰箱中保存。运输过程中保持低温，避免反复冻融。

Storage
Conditions

将细胞冻存管放入冰袋中，置于 -80°C 冰箱中保存。运输过程中保持低温，避免反复冻融。

细胞冻存液

Sterility

本产品经过严格的无菌处理，符合 GMP 标准。本产品不含任何抗生素、血清、生长因子等成分，适用于各种细胞培养实验。

XXXXXXXXXX STR

Amelogenin: X,X
CSF1PO: 10,11
D13S317: 8,14
D16S539: 9,12
D5S818: 11,12
D7S820: 8,1
TH01: 9
TPOX: 8
vWA: 16,18
D3S1358: 16
D21S11: 31
D18S51: 14
Penta E: 8,1
Penta D: 11
D8S1179: 8,11
FGA: 24
PEZ6: HROG36