

HCC827-Luc | 305670

General information

Description	HCC827-Luc is a cell line derived from a human lung adenocarcinoma. It is characterized by the presence of the HCC827 cell line, which is a highly aggressive and metastatic cell line. The cell line is derived from a patient with a primary lung adenocarcinoma, which was found to be EGFR, KRAS, and ALK negative. The cell line is characterized by the presence of the HCC827 cell line, which is a highly aggressive and metastatic cell line. The cell line is derived from a patient with a primary lung adenocarcinoma, which was found to be EGFR, KRAS, and ALK negative. HCC827-Luc is a cell line derived from a human lung adenocarcinoma. It is characterized by the presence of the HCC827 cell line, which is a highly aggressive and metastatic cell line. The cell line is derived from a patient with a primary lung adenocarcinoma, which was found to be EGFR, KRAS, and ALK negative. HCC827-Luc is a cell line derived from a human lung adenocarcinoma. It is characterized by the presence of the HCC827 cell line, which is a highly aggressive and metastatic cell line. The cell line is derived from a patient with a primary lung adenocarcinoma, which was found to be EGFR, KRAS, and ALK negative.
Organism	Human
Tissue	Lung
Disease	Lung adenocarcinoma

Cell line characteristics

Age	39 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Growth properties	Adherent

Cell line identification

Citation	HCC827-Luc (Cytion 305670)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2063
GMO Status	GMO-S1: HCC827-Luc (Cytion 305670) is a cell line derived from a human lung adenocarcinoma. It is characterized by the presence of the HCC827 cell line, which is a highly aggressive and metastatic cell line. The cell line is derived from a patient with a primary lung adenocarcinoma, which was found to be EGFR, KRAS, and ALK negative.

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Cell Line HCC827-Luc

Antigen expression	Luc2 (intracellular, secreted extracellular)
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Characteristics

Culture Medium	RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)
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Supplements	10% FBS
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Dissociation Reagent	Accutase, 10 min 37°C
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Subculturing	Cells are grown in 96-well plates (e.g. T25, 3-5 x 10 ⁵ cells) in PBS, 3-5 x 10 ⁵ cells. Cells are grown in 96-well plates (e.g. T25, 3-5 x 10 ⁵ cells) in PBS, 3-5 x 10 ⁵ cells.
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Split ratio	1 : 3
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Seeding density	1 x 10 ⁴ cells / well
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Fluid renewal	2 x 3 days
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Freeze medium	DMEM, 10% FBS, 10% DMSO
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**Thawing and
Culturing Cells**

1. **Thawing:** Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 ml of pre-warmed medium.
2. **Seeding:** Seed the cells into a 24-well plate at a density of 150,000 cells per well. Incubate for 24 hours to allow the cells to attach.
3. **Medium Change:** After 24 hours, remove the medium and replace it with fresh, pre-warmed medium.
4. **Monitoring:** Monitor the cell growth and morphology daily. The cells should reach 70% confluency within 7-10 days.
5. **Passaging:** When the cells reach 70-80% confluency, passage them into a new plate using trypsin digestion.
6. **Storage:** Cells can be stored in liquid nitrogen for long-term storage. Freeze the cells in a freezing medium and store at -150°C.
7. **Quality Control:** Perform regular quality control tests to ensure the purity and identity of the cells.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

**Shipping
Conditions**

Cells are shipped in a dry ice container, maintaining a temperature of -78°C or lower throughout the shipping process.

**Storage
Conditions**

Cells can be stored in liquid nitrogen for long-term storage. Freeze the cells in a freezing medium and store at -150°C for up to 196 months.

Product Information