HCC4006

305785

GENERAL INFORMATION

Description

HCC4006 □□□ (NSCLC) □□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 19 □□□□□ EGFR □□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□ □□ EGFR (TKIs) □□□□ erlotinib □□□ gefitinib □□□□□□□□□□□□□□□□□□□□□□□□□□□□ HCC4006 □□□ NSCLC □□□□□□□□□□□□□□□□□□□□□□ EGFR □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ EGFR □□□□□□□□□□□□□□ Cancer Cell Line Encyclopedia (CCLE) HCC4006 □□, □□□□□□□□□□ □□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ EGFR □□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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Tissue	□□□□□□□□□□□
Disease	□□□□□□□□□□□□□□□□□□□□□□□□□□□□
Metastatic site	□□□□□□□□□□□□□□□□□□□□□□□□□

Synonyms

- HCC-4006
- Hamon Cancer Center 4006

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	□□□□□□□□□□□

Cell type	□ซลล์ □ยื่อบุผิว
Doubling time	46 ชั่วโมง

IDENTIFIERS

Citation

HCC4006 (หมาย □ลขแคตตาล็อก Cytion 305785)

NCBI TaxID	9606
Cellosaurus	CVCL_1269

EXPRESSION AND SUSCEPTIBILITY

Mutational profile

การกลายพันธุ์ : EGFR, แบบง่าย , p.Leu747_Glu749del (c.2239_2247delTAAGAGAA), ชนิด □ฮ □ทอโรไซโกต (ATCC=CRL-2871, TP53, □□□□□□□,p.Tyr205His (c.613T>C), ชนิดโฮโมไซโกัส (DepMap=ACH-000066).

HANDLING AND CULTURE

Culture medium

RPMI 1640, w: 2.0 mM กลูตามีน □สถียร , w: 2.0 กรัม /ลิตร NaHCO3 (หมาย □ลขบทความ Cytion 820700a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS 10%

Dissociation reagent	แอคคู □ทส
Fluid renewal	2 ถึง 3 ครั้งต่อสัปดาห์

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.

Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.

For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.

Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.

Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.

Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.

Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.

Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

การปน □ปื้อนของไมโคพลาสมาถูกตัดออกโดยใช้ทั้งการทดสอบแบบ PCR และการตรวจหาไมโคพลาสมาโดยใช้วิธีการ □รืองแสง

□พื่อให้แน่ใจว่าไม่มีการปน □ปื้อนของแบคที □รีย □ชื้อรา หรือยีสต์ การ □พาะ □ลี้ยง □ซลล์จะถูกตรวจสอบด้วยสายตาทุกวัน

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BIC: SOLADES1HDB

2 / 3

Freeze medium	□□ □□□□□□□□□□□□□□□□□ □□ (□□□□□□□ FBS) + 10% DMSO □□□ □□□□ CM-1 (□□□□□□□□□ □□□□□□□□□□ Cytion 800100) □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□ □□ □□□□

Storage conditions

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Shipping conditions

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DONOR

Donor age	>50 □□
Ethnicity	□□□□□□□□□□

LEGAL AND SAFETY

Safety precautions

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Disclaimer

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Warranty

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Material Transfer Agreement required	Yes

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