□□□□□□ Calu-6

300135

□□□□□□□□□ Calu-6 □□□ (NSCLC) □□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 61 □□ □□□□□□□□□□□□□□□□□ □.□. 2518 □□□□□□□□□□□□□□□□□□□□□□□□ □□ Calu-6 □□□ □□□ □□□□□□□□□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□ □□□ □□□□□□□□□□□□□□□□□□□□

Calu-6 □□□ KRAS □□□ □□□□□□□□□□□□□□□□□ NSCLC □□□□□□□□□□□ □□□ □□□□□□□□□□ □□□ □□□ □□□□□□□ □□□□□ □□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ Calu-6 □□ □□□ □□□ □□ □□□□□□□□□□□□

GENERAL INFORMATION

Description

□□□□□□□□□ Calu-6 □□□ (NSCLC) □□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 61 □□ □□□□□□□□□□□□□□□□□ □.□. 2518 □□□□□□□□□□□□□□□□□□□□□□□□ □□ Calu-6 □□□ □□□ □□□□□□□□□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□ □□□ □□□□□□□□□□□□□□□□□□□□

Calu-6 □□□ KRAS □□□ □□□□□□□□□□□□□□□□□ NSCLC □□□□□□□□□□□ □□□ □□□□□□□□□□ □□□ □□□ □□□□□□□ □□□□□ □□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ Calu-6 □□ □□□ □□□ □□ □□□□□□□□□□□□

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

Synonyms

- CaLu-6
- CALU-6
- Calu.6
- Calu 6
- Calu6
- CALU6
- CaLu-06

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	ลักษณะคล้ายเยื่อบุผิว
Tumourigenic	ใช่ ในหนู □ี □ไม่มีขน พบรูปแบบของมะเร็งชนิดคาร์ซิโนมา □□□มีการแยกตัวไม่ดี

Karyotype

จำ□วนโครโมโซมของ □เต็มไลน์เป็นแบบไฮโพทริปพลอยด์ และองค์ประกอบ 2S เกิดขึ้นที่ 5.8% จำ□วนโครโมโซมแบบโมดอลคือ 59 โครโมโซม มีโครโมโซมเครื่องหมาย 14 โครโมโซม (แบบคงที่) ที่พบในเมทาเฟ □ S ส่วนใหญ่ ไม่พบโครโมโซม Y ในการเตรียมตัวอย่างที่ย้อมด้วย QM

IDENTIFIERS

Citation

Calu-6 (หมายเลขแคตตาล็อก Cytion 300135)

NCBI TaxID	9606
Cellosaurus	CVCL_0236

EXPRESSION AND SUSCEPTIBILITY

Protein expression

P53 เป็นลบ

Isoenzymes

Me-2, 1, PGM3, 1, PGM1, 2, ES-D, 1, AK-1, 1, GLO-1, 2, G6PD, B, ความถี่ของฟีโนไทป์ : 0.0031

Mutational profile

เซลล์ CaLu-6 มีการกลายพันธุ์ในรหั □พันธุกรรม KRAS ที่ตำแหน่□ 61, c.181C>A p.(Gln61Lys) ไม่พบการกลายพันธุ์ของ NRAS ใน BRAF

HANDLING AND CULTURE

Culture medium

EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO3, w: EBSS (หมายเลขบทความ Cytion 820100a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

เติมอาหารเลี้ยงเชื้อด้วย FBS 10% และ NEAA 1%

Dissociation reagent	แอคคูเท □

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CEO / Geschäftsführer: Jonathan Steubing

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BIC: SOLADES1HDB

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Subculturing

[illegible] PBS [illegible] T25 [illegible] PBS 3-5 [illegible]. [illegible] T75 [illegible] 5-10 [illegible]. [illegible] Accutase [illegible] 1-2 [illegible]. [illegible] T25 [illegible] 2.5 [illegible]. [illegible] T75[illegible] 8-10 [illegible] 10 [illegible] 300 [illegible] (300xg) [illegible] 3 [illegible]

Seeding density	2 x 10^4 [illegible]/cm² [illegible] 90% [illegible] 4 [illegible]
Fluid renewal	2 [illegible] 3 [illegible]
Post-thaw recovery	[illegible] 5 x 10^4 [illegible]/[illegible]. [illegible] 48 [illegible]

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

[illegible] PCR [illegible]

[illegible]

Freeze medium	[illegible] ([illegible] FBS) + 10% DMSO [illegible] CM-1 ([illegible] Cytion 800100) [illegible]

Storage conditions

[illegible] −150 [illegible] −196 °C [illegible] −80 °C [illegible]

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Shipping conditions

[illegible] −78 °C [illegible]

DONOR

Donor age	61 [illegible]
Ethnicity	[illegible]

LEGAL AND SAFETY

Safety precautions

[illegible]

Warranty

[illegible]Cytion [illegible]
[illegible]
60 [illegible]
[illegible]
[illegible] [illegible]/[illegible]
[illegible]
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">[illegible].

Material Transfer Agreement required	Yes

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