OCUM-1

305612

GENERAL INFORMATION

Description

OCUM-1 [illegible] OCUM-1 [illegible]

[illegible] OCUM-1 [illegible] (epithelial) [illegible] OCUM-1 [illegible] Wnt/β-catenin, PI3K/AKT [illegible] EMT [illegible] OCUM-1 [illegible] OCUM-1 [illegible] OCUM-1 [illegible]

Tissue	[illegible]
Disease	[illegible]
Metastatic site	[illegible]

Synonyms

- OCUM1
- Osaka City University Medical school-1

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	[illegible]
Cell type	[illegible]

Doubling time	26–34 ชั่วโมง

IDENTIFIERS

Citation

OCUM-1 (หมาย □ลขในแคตตาล็อก Cytion 305612)

NCBI TaxID	9606
Cellosaurus	CVCL_3084

EXPRESSION AND SUSCEPTIBILITY

Mutational profile

การกลายพันธุ์ : MAP2K1, แบบง่าย , p.Gln56Pro (c.167A>C), □ฮมิไซโกส

HANDLING AND CULTURE

Culture medium

DMEM, w: 4.5 กรัม /ลิตร กลูโคส , w: 4 มิลลิโมลาร์ แอล -กลูตามีน , w: 3.7 กรัม /ลิตร NaHCO3, w: 1.0 มิลลิโมลาร์ โซ □ดียมไพรู □วต (หมาย □ลขบทความ Cytion 820300a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS 10%

Dissociation reagent	แอคคู □ทส

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

Storage conditions

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Shipping conditions

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DONOR

Donor age	38 □□
Ethnicity	□□□□□□□□

LEGAL AND SAFETY

Safety precautions

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Warranty

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Material Transfer Agreement required	Yes