Cytion

PANC 08.13

305391

GENERAL INFORMATION

Description

[illegible] PANC 08.13 [illegible] PL9 [illegible]

[illegible] SNP 100K [illegible] Affymetrix [illegible] PANC 08.13 [illegible] 25 [illegible] (SNPs) [illegible] (LOH), [illegible]

[illegible] PANC 08.13 [illegible] (driver genes) [illegible] KRAS, TP53, CDKN2A [illegible] SMAD4 [illegible] (pancreatic ductal adenocarcinoma) [illegible] PANC 08.13 [illegible]

Tissue	[illegible]
Disease	[illegible]

Applications

[illegible], [illegible]

Synonyms

- Panc 8.13
- Panc-08.13
- PANC-08-13
- Panc_08_13
- Panc08.13
- Panc8.13
- Panc-8_13
- Panc-813
- PANC 813
- Panc813
- PANC813
- PANC0813
- Panc0813
- Pa14C
- PL9
- PL-9

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BIC: SOLADES1HDB

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	ลักษณะคล้ายเยื่อบุผิว
Cell type	เซลล์เยื่อบุผิว
Tumourigenic	ใช่ ; ใช่ ในหนูแบบนู้ดหรือหนู SCID
Doubling time	20 ชั่วโมง

IDENTIFIERS

Citation

PANC 08.13 (หมายเลขแคตตาล็อก Cytion 305391)

NCBI TaxID	9606
Cellosaurus	CVCL_1638

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

MHC คลา □ I +; MHC คลา □ II -

Oncogenes

เค -รา □พลั □

Mutational profile

การกลายพันธุ์ : KRAS, แบบง่าย , p.Gly12Asp (c.35G>A), แบบโฮโมไซโก □; การกลายพันธุ์ : SMAD4, แบบง่าย , p.Cys123Metfs*2 (c.366dupA) (c.366_367insA), แบบโฮโมไซโก □

HANDLING AND CULTURE

Culture medium

RPMI 1640, w: 2.0 mM กลูตามีนเ □ถียร , w: 2.0 กรัม /ลิตร NaHCO3 (หมายเลขบทความ Cytion 820700a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

เติม FBS 15% และอินซูลิน 0.01 มก ./มล . ลงในสื่อเพาะเลี้ยง

Dissociation reagent	แอคคูเท □

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Subculturing

[illegible]: [illegible] [illegible] PBS [illegible] PBS [illegible] [illegible] Trypsin/EDTA [illegible] ([illegible] 1 [illegible]. [illegible] T25, 3 [illegible]. [illegible] T75) [illegible] 37°C [illegible] ([illegible] 5-10 [illegible])[illegible] Trypsin/EDTA [illegible] 37°C[illegible] 5% [illegible] 2-3 [illegible]

Seeding density	1–3 × 10^4/cm²
Fluid renewal	2 [illegible] 3 [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]

Shipping conditions

[illegible] −78 °C [illegible]

DONOR

Donor age	85 [illegible]
Ethnicity	[illegible]

LEGAL AND SAFETY

Safety precautions

[illegible]

Warranty

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

Material Transfer Agreement required	Yes