NIH-3T3-ras

400100

GENERAL INFORMATION

Description

□ซลล์ □หล่านี้มีประโยชน์สำหรับการศึกษาการถ่□ยโอนยีนและการ □ปลี่ยนแปลงของดี □อื็น □อ
□ซลล์ถูกถ่ายโอนยีนด้วยยีนก่อมะ □ร็ง H-ras (ต้านทาน G-418 ต่อ □นโอมัยซิน)

Tissue	ตัวอ่อน

Synonyms

- NIH3T3-ras
- A51
- EJ-NIH/3T3
- EJ-NIH-3T3

CLASSIFICATION

Organism	Mouse
Sex	Male
Growth properties	Adherent
GMO status	GMO-S1

GMO status details

GMO-S1: This NIH-3T3 fibroblast line contains an activated human HRAS (p.Gly12Val) oncogene derived from the T24 bladder carcinoma, introduced by infectious DNA transfer, creating a RAS-transformed mouse embryo fibroblast model. This classification applies only within Germany and may differ elsewhere.

Biosafety level	1

CHARACTERISTICS

Cell type	ไฟโบรบลาส □์
Tumourigenic	□□□ ในห □ู NMRI
Doubling time	16 ชั่วโมง

IDENTIFIERS

Citation

NIH-3T3-ras (หมาย □ลขแคตตาล็อก Cytion 400100)

NCBI TaxID	10090
Cellosaurus	CVCL_5845

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Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

1 / 3

EXPRESSION AND SUSCEPTIBILITY

Viruses

MAP-test: □□□□

Virus susceptibility

□□□□□□□□□□□□□, □□□□□40

Reverse transcriptase	□□□□□□□

HANDLING AND CULTURE

Culture medium

DMEM, w: 4.5 □□□□/□□□□ □□□□□□, w: 4 □□□□□□□□□□□ □□□-□□□□□□□□□, w: 3.7 □□□□/□□□□ NaHCO3, w: 1.0 □□□□□□□ □□□□ □□□□□□□□□□□□□□ (□□□□□□□□□□□□□ Cytion 820300a)

Incubation atmosphere	37°C, 5%CO2, □□□□□□□□□□□□

Supplements

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Dissociation reagent	□□□□□□□□

Subculturing

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

Fluid renewal	2 □□□□□□□□□□□□□□□□

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

□□ PCR □□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□
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Freeze medium	[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

Breed / subspecies	[illegible]
Donor age	[illegible]

LEGAL AND SAFETY

Safety precautions

[illegible]

Disclaimer

[illegible]

Warranty

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

Material Transfer Agreement required	Yes