

HROC173 | 300807

XXXXX XXXXX

Description	XXXX XX XXXX XXX XXXX XXXX XX XXXX XXXX XXXXXXXX XXXXXXXX XX XXXX X' X XXXXXXX XXXXXXXX (PD Dr. Michael Linnebacher) XXXXXXXX XXXX
Organism	XXXX
Tissue	XXXXXX XXXXX, UICC IV
Disease	XXXXXXXXXXXXXXXX XXXXXXXX, XXXX TNM T4N2M1R2L0V XXXXXXXX G3, Lk(n) +11, Σ Lk(n) 29

XXXXXXXXXXXX

Age	45 XXXXX
Gender	XXXX
Ethnicity	XXXXXXXX
Morphology	XXXXX XXXXXXX
Growth properties	XXXX

XXXXXXXXXX XXXXXXXXXXXXXXXX

Citation	HROC173 (XXXXX XXXXXXXX Cytion 300807)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1D15

XXXXXXXXXX XXXX- XXXXXXXXXXXXXXXX

Protein expression	PTEN
Tumorigenic	XX, XXXXXXXX XXXXXXXX XX XXXXXXX XXXXXXXX

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Viruses HEK293T cells are stably transfected with SV40, JC/BK, HBV, HCV, HIV.

Ploidy status Diploid

MSI-status MSS

Mutational profile K-Raswt, B-RAFwt, N-Raswt, H-Raswt, PIK3CAmut

Media

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L D-glucose, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM sodium pyruvate, w: 1.2 g/L NaHCO₃ 820400a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 29 hours

Subculturing HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25 flasks at a density of 2 x 10⁴ cells per flask. Media is replaced every 3-5 days. Cells are harvested when they reach 80-90% confluency.

Seeding density 2 x 10⁴ cells per flask

Fluid renewal 3-5 days

Post-Thaw Recovery 1-2 weeks

Freeze medium DMEM:Ham's F12 (1:1) supplemented with 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of complete DMEM medium.
2. Incubate the cells in a humidified 5% CO₂ incubator at 37°C. The cells should reach 70-80% confluency within 2-3 days.
3. Once cells reach 70-80% confluency, passage them into a new T25 flask with fresh complete DMEM medium.
4. For long-term storage, seed cells into a T75 flask with 150 ml of complete DMEM medium. Once cells reach 80-90% confluency, harvest the cells by trypsinization and resuspend in 10 ml of complete DMEM medium.
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6. Seed the cells into a T75 flask with 150 ml of complete DMEM medium. Once cells reach 80-90% confluency, harvest the cells by trypsinization and resuspend in 10 ml of complete DMEM medium.
7. Seed the cells into a T75 flask with 150 ml of complete DMEM medium. Once cells reach 80-90% confluency, harvest the cells by trypsinization and resuspend in 10 ml of complete DMEM medium.
8. Seed the cells into a T75 flask with 150 ml of complete DMEM medium. Once cells reach 80-90% confluency, harvest the cells by trypsinization and resuspend in 10 ml of complete DMEM medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells by trypsinization and resuspend in 10 ml of complete DMEM medium. Seed into a T75 flask with 150 ml of complete DMEM medium. Once cells reach 80-90% confluency, harvest the cells by trypsinization and resuspend in 10 ml of complete DMEM medium.

Shipping Conditions None

Storage Conditions None

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Sterility None