

Product sheet

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 XXXXXXXX
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

HEK293T HROC173 | 300807

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 at a density of 2 x 10⁴ cells/cm² in 25 cm² flasks. Media is replaced every 3-5 days. Cells are harvested when they reach 80-90% confluency.

Seeding density 2 x 10⁴ cells/cm²

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 immediately in a 37°C water bath. Do not allow the cells to warm to room temperature. Transfer the cells to a pre-warmed T25 flask containing 10 ml of complete DMEM.
2. Incubate the cells at 37°C in 5% CO₂ for 24 hours. After 24 hours, check for cell attachment. If cells are not attached, repeat the thawing process.
3. Once cells are attached, replace the medium with fresh complete DMEM. After 24 hours, check for cell attachment. If cells are not attached, repeat the thawing process.
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Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells at 80-90% confluency. Wash with PBS, add 1 ml of freezing medium to each well. Mix gently and transfer to a cryovial. Store at -80°C.

Shipping Conditions Store at -80°C. Ship on dry ice.

Storage Conditions Store at -150°C for up to 196 months.

HEK293T / HEK293T / HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR screening for mycoplasmas is performed on all cell batches.