

HROC296 | 300853

General Information

Description	Cell line derived from a patient (PD Dr. Michael Linnebacher)
Organism	Human
Tissue	Colon, UICC Iia
Disease	Colorectal adenocarcinoma, TNM T3N0M0R0L0V0, G2, Lk(n) +0, Σ Lk(n) 35

Personal Data

Age	92 years
Gender	Male
Ethnicity	German
Morphology	Epithelial
Growth properties	Adherent

Identification

Citation	HROC296 (Cytion 300853)
Biosafety level	1
NCBI_TaxID	9606
CellSaurusAccession	CVCL_1V02

Antigen Expression

Antigen expression	CD326+
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Viruses SV40, JC/BK, HBV, HCV, HIV.

HEK293T HROC296 | 300853

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 5 ml of complete DMEM medium.
2. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
3. Seed the cells into a 96-well plate (100 µl per well) for high-throughput screening.
4. For larger scale cultures, seed cells into T75 or T175 flasks.
5. Monitor cell growth and passage when cells reach 80-90% confluency.
6. Harvest cells for RNA extraction using RNeasy spin columns.
7. Perform quality control (QC) on RNA using a Bioanalyzer or similar platform.
8. Store RNA at -80°C until ready for use in downstream applications.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a 15 ml centrifuge tube, centrifuge at 300 x g for 3 min. Resuspend the pellet in 1 ml of freezing medium and aliquot into 0.5 ml vials. Store at -80°C.

Shipping Conditions Ship at -80°C in dry ice.

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

HEK293T / HEK293T / HLA

Sterility The cells are free of mycoplasma and other contaminants. PCR screening is performed on all lots.