

Product sheet

HROG05 | 300940

General information

Description	Cell line derived from a patient with melanoma (PD Dr. Michael Linnebacher)
Organism	Human
Tissue	Skin, Lymph node
Disease	Melanoma (Stage IV)

Characteristics

Age	60 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells, adherent
Growth properties	Highly proliferative

Identification

Citation	HROG05 (Cell Culture Catalog Cytion 300940)
Biosafety level	1
NCBI_TaxID	9606
CellSaurusAccession	CVCL_4U40

Antigen expression

Antigen expression	HLA-A02+, MHC class I + MHC class II -, ICAM-1 +, CD44+, CD47+, CD147+, CD166+, CD181+, CD244+, CD264+, CD274+, CD300A+, CD300B+, CD300C+, CD300D+, CD300E+, CD300F+, CD300G+, CD300H+, CD300I+, CD300J+, CD300K+, CD300L+, CD300M+, CD300N+, CD300O+, CD300P+, CD300Q+, CD300R+, CD300S+, CD300T+, CD300U+, CD300V+, CD300W+, CD300X+, CD300Y+, CD300Z+, CD300AA+, CD300AB+, CD300AC+, CD300AD+, CD300AE+, CD300AF+, CD300AG+, CD300AH+, CD300AI+, CD300AJ+, CD300AK+, CD300AL+, CD300AM+, CD300AN+, CD300AO+, CD300AP+, CD300AQ+, CD300AR+, CD300AS+, CD300AT+, CD300AU+, CD300AV+, CD300AW+, CD300AX+, CD300AY+, CD300AZ+, CD300BA+, CD300BB+, CD300BC+, CD300BD+, CD300BE+, CD300BF+, CD300BG+, CD300BH+, CD300BI+, CD300BJ+, CD300BK+, CD300BL+, CD300BM+, CD300BN+, CD300BO+, CD300BP+, CD300BQ+, CD300BR+, CD300BS+, CD300BT+, CD300BU+, CD300BV+, CD300BW+, CD300BX+, CD300BY+, CD300BZ+, CD300CA+, CD300CB+, CD300CC+, CD300CD+, CD300CE+, CD300CF+, CD300CG+, CD300CH+, CD300CI+, CD300CJ+, CD300CK+, 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Mutational profile IDH 1 & 2 wt, TP53wt, K-Ras G12D, B-RAFwt, 4q12(PDGFRA) del, PTEN P169S/del 212-229

HEK293T HROG05 | 300940

HEK293T

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L β -mercaptoethanol, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 1.2 g/L NaHCO_3 820400a)

Supplements β -mercaptoethanol 10% FBS

Dissociation Reagent β -mercaptoethanol

Doubling time 44 - 48 hours

Subculturing HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS and 100 U/ml penicillin, 100 U/ml streptomycin, 100 U/ml nystatin, and 100 U/ml amphotericin B. Cells are grown in T25 flasks, 3-5 x 10⁷ cells per flask. Cells are harvested by trypsinization and centrifugation at 300 x g for 5 minutes.

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal 3-5 days

Freeze medium DMEM:Ham's F12 (1:1), 50% DMEM:Ham's F12 (1:1) + 40% FBS + 10% DMSO, CM-1 (100 U/ml Cytion 800100), β -mercaptoethanol

- Thawing and Culturing Cells**
1. Thaw vials rapidly in a 37°C water bath. Transfer cells to a pre-warmed DMEM:Ham's F12 (1:1) medium supplemented with 10% FBS and antibiotics.
 2. Centrifuge cells at 300 x g for 5 minutes and resuspend in fresh DMEM:Ham's F12 (1:1) medium supplemented with 10% FBS and antibiotics. Seed cells into T25 flasks.
 3. Incubate cells in a humidified 5% CO₂ incubator at 37°C. Monitor cell growth and confluency.
 4. Once cells reach 70% confluency, harvest cells by trypsinization and centrifugation at 300 x g for 5 minutes.
 5. Resuspend cells in DMEM:Ham's F12 (1:1) medium supplemented with 10% FBS and antibiotics. Seed cells into T25 flasks.
 6. Harvest cells by trypsinization and centrifugation at 300 x g for 5 minutes. Resuspend cells in DMEM:Ham's F12 (1:1) medium supplemented with 10% FBS and antibiotics.
 7. Seed cells into T25 flasks at a density of 10⁴ cells/cm². Incubate cells in a humidified 5% CO₂ incubator at 37°C.
 8. Harvest cells by trypsinization and centrifugation at 300 x g for 5 minutes. Resuspend cells in DMEM:Ham's F12 (1:1) medium supplemented with 10% FBS and antibiotics.

