

HROC277Met2 | 300848

General information

Description	Cell line derived from a 78-year-old male patient with metastatic colorectal cancer (PD Dr. Michael Linnebacher) [1]
Organism	Human
Tissue	Colorectal cancer
Disease	Colorectal cancer
Metastatic site	Colon, metastatic CRC (T4N2M1R0L0V1, G2, Lk(n) +0, Σ Lk(n) 12)

Patient information

Age	78 years
Gender	Male
Ethnicity	German
Morphology	Epithelial
Growth properties	Adherent

Identification and documentation

Citation	HROC277Met2 (Cell line) Cytion 300848
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1U88

Genetic and protein expression

Protein expression	PTEN-
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Tumorigenic	Yes, tumorigenic in nude mice and in immunodeficient mice
Viruses	SV40, JC/BK, HBV, HCV, HIV.
MSI-status	MSS
Mutational profile	K-Rasmut, N-Raswt, H-Raswt, PIK3CAwt, B-Rafwt
Cell lines	
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 ascorbate, w: 1.2 g/L NaHCO3 (820400a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	29 days
Subculturing	Cells are grown in 25 cm2 flasks in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. When cells reach confluence, they are trypsinized and seeded into new flasks. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
Seeding density	2 x 104 cells/cm2
Fluid renewal	3-5 days
Post-Thaw Recovery	100%
Freeze medium	DMEM:Ham's F12 (1:1), 10% FBS, 10% DMSO (10% FBS) + 10% DMSO

