

Product sheet

HROG38 | 300879

General information

Description	Human glioblastoma cell line (PD Dr. Michael Linnebacher)
Organism	Human
Tissue	Brain, Glioblastoma
Disease	Glioblastoma (WHO IV)

Cell characteristics

Age	49 years
Gender	Male
Ethnicity	German
Morphology	Epithelial
Growth properties	Adherent

Identification and safety

Citation	HROG38 (Cytion 300879)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_4U50

Antigen expression and mutational profile

Antigen expression	CD24+, CD90+, GFAP+, PDL1+
Mutational profile	PTEN I224M / R234W

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HEK293T

Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose , w: 2.5 mM L- Glutamine , w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol , w: 1.2 g/L NaHCO ₃ 820400a)
Supplements	Glucose Glutamine 10% FBS
Dissociation Reagent	Trypsin
Doubling time	63 days
Subculturing	Cells are harvested by trypsin treatment. Cells are washed with DMEM and resuspended in DMEM + 10% FBS . Cells are seeded into T25 flasks, incubated for 3-5 days in DMEM + 10% FBS , then passaged into 3 flasks. Cells are harvested by trypsin treatment, cells are washed with DMEM and resuspended in DMEM + 10% FBS . Cells are seeded into T25 flasks, incubated for 3-5 days in DMEM + 10% FBS , then passaged into 3 flasks.
Fluid renewal	DMEM + 10% FBS
Freeze medium	DMEM + 10% FBS , then incubated for 50% DMEM + 40% FBS + 10% DMSO , then CM-1 (DMEM + 10% FBS Cytion 800100), then DMEM + 10% FBS
Thawing and Culturing Cells	Cells are thawed in DMEM + 10% FBS and resuspended in DMEM + 10% FBS. Cells are seeded into T25 flasks, incubated for 3-5 days in DMEM + 10% FBS, then passaged into 3 flasks. Cells are thawed in DMEM + 10% FBS, then incubated for 50% DMEM + 40% FBS + 10% DMSO, then CM-1 (DMEM + 10% FBS Cytion 800100), then DMEM + 10% FBS. Cells are thawed in DMEM + 10% FBS, then incubated for 50% DMEM + 40% FBS + 10% DMSO, then CM-1 (DMEM + 10% FBS Cytion 800100), then DMEM + 10% FBS. Cells are thawed in DMEM + 10% FBS, then incubated for 50% DMEM + 40% FBS + 10% DMSO, then CM-1 (DMEM + 10% FBS Cytion 800100), then DMEM + 10% FBS. Cells are thawed in DMEM + 10% FBS, then incubated for 50% DMEM + 40% FBS + 10% DMSO, then CM-1 (DMEM + 10% FBS Cytion 800100), then DMEM + 10% FBS. Cells are thawed in DMEM + 10% FBS, then incubated for 50% DMEM + 40% FBS + 10% DMSO, then CM-1 (DMEM + 10% FBS Cytion 800100), then DMEM + 10% FBS. Cells are thawed in DMEM + 10% FBS, then incubated for 50% DMEM + 40% FBS + 10% DMSO, then CM-1 (DMEM + 10% FBS Cytion 800100), then DMEM + 10% FBS. Cells are thawed in DMEM + 10% FBS, then incubated for 50% DMEM + 40% FBS + 10% DMSO, then CM-1 (DMEM + 10% FBS Cytion 800100), then DMEM + 10% FBS.
Incubation Atmosphere	37°C, 5% CO₂ , DMEM + 10% FBS

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