

Product sheet

**HROG38 | 300879**

**Cell Line**

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

**Characteristics**

<b>Age</b>	49 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent

**Identification**

<b>Citation</b>	HROG38 (ATCC CCL-139) Cytion 300879
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_4U50

**Antigen Expression**

<b>Antigen expression</b>	CD24+, CD90+, GFAP+, Nestin+
<b>Mutational profile</b>	PTEN I224M / R234W

**HEK293T | HROG38 | 300879**

**HEK293T**

**Culture Medium** DMEM:Ham's F12 (1:1), w: 3.1 g/L **Glucose**, w: 2.5 mM L-**Asparagine**, w: 15 mM HEPES, w: 0.5 mM **β-mercaptoethanol**, w: 1.2 g/L NaHCO<sub>3</sub> 820400a)

**Supplements** **Insulin** **Transferrin** 10% FBS

**Dissociation Reagent** **Trypsin**

**Doubling time** 63 **hours**

**Subculturing** **Cells** are harvested by trypsinization and centrifugation. Wash cells in PBS. Seed cells into T25, **3-5** **ml** PBS, **3** **ml**. **Cells** are harvested by trypsinization and centrifugation. Wash cells in PBS. Seed cells into T25, **3-5** **ml** PBS, **3** **ml**.

**Fluid renewal** **3** **ml** **5** **ml**

**Freeze medium** **DMEM** **Ham's F12**, **50%** **DMEM** **Ham's F12** + 40% FBS + 10% DMSO, **CM-1** (**CM-1** Cytion 800100), **CM-1**

- Thawing and Culturing Cells**
1. **Cells** are thawed in a 37°C water bath and immediately transferred to a pre-warmed T25 flask containing 5 ml of pre-warmed complete medium.
  2. **Cells** are allowed to attach to the flask for 24 hours. The medium is then replaced with fresh complete medium.
  3. **Cells** are allowed to reach confluence in the T25 flask. The medium is then replaced with fresh complete medium.
  4. **Cells** are harvested by trypsinization and centrifugation. Wash cells in PBS. Seed cells into T25, **3-5** **ml** PBS, **3** **ml**.
  5. **Cells** are allowed to reach confluence in the T25 flask. The medium is then replaced with fresh complete medium.
  6. **Cells** are harvested by trypsinization and centrifugation. Wash cells in PBS. Seed cells into T25, **3-5** **ml** PBS, **3** **ml**.
  7. **Cells** are allowed to reach confluence in the T25 flask. The medium is then replaced with fresh complete medium.
  8. **Cells** are harvested by trypsinization and centrifugation. Wash cells in PBS. Seed cells into T25, **3-5** **ml** PBS, **3** **ml**.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, **Humidified** **air**

