

# HCC38 | 305307

## General Information

<b>Description</b>	HCC38 is a cell line derived from a human breast cancer (TNBC) cell line. It is characterized by the presence of ER, PR, EGFR, and PI3K/mTOR. It is resistant to NVP-BEZ235, PI3K/mTOR inhibitors, and OC90. HCC38 cells are highly proliferative and are used for studying breast cancer biology and drug response.
--------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Organism</b>	Human
<b>Tissue</b>	Breast
<b>Disease</b>	Breast Cancer
<b>Synonyms</b>	Hcc38, HCC-38, HCC 38 HCC0038, HCC 38

## Characteristics

<b>Age</b>	50 years
<b>Gender</b>	Female
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial
<b>Cell type</b>	Epithelial
<b>Growth properties</b>	Adherent, growing in DMEM/F12, 10% FBS, 10% HIF1α, 10% IGF1, 10% TGFα, 10% TGFβ1, 10% TGFβ2, 10% TGFβ3, 10% TGFβ4, 10% TGFβ5, 10% TGFβ6, 10% TGFβ7, 10% TGFβ8, 10% TGFβ9, 10% TGFβ10, 10% TGFβ11, 10% TGFβ12, 10% TGFβ13, 10% TGFβ14, 10% TGFβ15, 10% TGFβ16, 10% TGFβ17, 10% TGFβ18, 10% TGFβ19, 10% TGFβ20, 10% TGFβ21, 10% TGFβ22, 10% TGFβ23, 10% TGFβ24, 10% TGFβ25, 10% TGFβ26, 10% TGFβ27, 10% TGFβ28, 10% TGFβ29, 10% TGFβ30, 10% TGFβ31, 10% TGFβ32, 10% TGFβ33, 10% TGFβ34, 10% TGFβ35, 10% TGFβ36, 10% TGFβ37, 10% TGFβ38, 10% TGFβ39, 10% TGFβ40, 10% TGFβ41, 10% TGFβ42, 10% TGFβ43, 10% TGFβ44, 10% TGFβ45, 10% TGFβ46, 10% TGFβ47, 10% TGFβ48, 10% TGFβ49, 10% TGFβ50, 10% TGFβ51, 10% TGFβ52, 10% TGFβ53, 10% TGFβ54, 10% TGFβ55, 10% TGFβ56, 10% TGFβ57, 10% TGFβ58, 10% TGFβ59, 10% TGFβ60, 10% TGFβ61, 10% TGFβ62, 10% TGFβ63, 10% TGFβ64, 10% TGFβ65, 10% TGFβ66, 10% TGFβ67, 10% TGFβ68, 10% TGFβ69, 10% TGFβ70, 10% TGFβ71, 10% TGFβ72, 10% TGFβ73, 10% TGFβ74, 10% TGFβ75, 10% TGFβ76, 10% TGFβ77, 10% TGFβ78, 10% TGFβ79, 10% TGFβ80, 10% TGFβ81, 10% TGFβ82, 10% TGFβ83, 10% TGFβ84, 10% TGFβ85, 10% TGFβ86, 10% TGFβ87, 10% TGFβ88, 10% TGFβ89, 10% TGFβ90, 10% TGFβ91, 10% TGFβ92, 10% TGFβ93, 10% TGFβ94, 10% TGFβ95, 10% TGFβ96, 10% TGFβ97, 10% TGFβ98, 10% TGFβ99, 10% TGFβ100

## References

<b>Citation</b>	HCC38 (Cytion 305307)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606



**HEK293T HCC38 | 305307**

**Thawing and Culturing Cells**

1. Thaw the cells in a water bath at 37°C. Transfer the cells to a centrifuge tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 10 ml of DMEM supplemented with 10% FBS. Seed the cells into a T25 flask.
2. Once the cells have reached confluence, remove the FBS and replace with DMEM supplemented with 1% FBS. Allow the cells to reach a density of approximately 70% confluence.
3. Harvest the cells by trypsinization and seed them into a T25 flask with DMEM supplemented with 1% FBS. Allow the cells to reach a density of approximately 70% confluence.
4. Harvest the cells by trypsinization and seed them into a T25 flask with DMEM supplemented with 1% FBS. Allow the cells to reach a density of approximately 70% confluence.
5. Harvest the cells by trypsinization and seed them into a T25 flask with DMEM supplemented with 1% FBS. Allow the cells to reach a density of approximately 70% confluence.
6. Harvest the cells by trypsinization and seed them into a T25 flask with DMEM supplemented with 1% FBS. Allow the cells to reach a density of approximately 70% confluence.
7. Harvest the cells by trypsinization and seed them into a T25 flask with DMEM supplemented with 1% FBS. Allow the cells to reach a density of approximately 70% confluence.
8. Harvest the cells by trypsinization and seed them into a T25 flask with DMEM supplemented with 1% FBS. Allow the cells to reach a density of approximately 70% confluence.

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

**Flask Coating** None

**Freezing Procedure** Harvest cells by trypsinization and seed them into a T25 flask with DMEM supplemented with 1% FBS. Allow the cells to reach a density of approximately 70% confluence.

**Shipping Conditions** -78°C

**Storage Conditions** -150°C

**HEK293T HCC38 / HEK293T HCC38 / HLA**

**Sterility** The cells are free of mycoplasma contamination. PCR confirmed.