

UM-HMC-3B | 305715

Product information

Description	UM-HMC-3B is a human melanoma cell line derived from a metastatic melanoma (11;19)(q21;p13) translocation. It is characterized by the presence of the CREB and Notch. UM-HMC-3B is a highly tumorigenic cell line that can be used for various applications, including drug screening and basic research. It is derived from a patient with a metastatic melanoma (CRTC1-MAML2).
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Metastatic site	Metastatic melanoma (CRTC1-MAML2)
Applications	UM-HMC-3B is a highly tumorigenic cell line that can be used for various applications, including drug screening and basic research. It is derived from a patient with a metastatic melanoma (CRTC1-MAML2).
Synonyms	UM-HMC-3B - CRTC1-MAML2 - 3B

Cell characteristics

Age	73 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Adherent

Additional information

Citation	UM-HMC-3B (CRTC1-MAML2) Cytion: 305715
Biosafety level	1

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NCBI_TaxID	9606
CellosaurusAccession	CVCL_Y472
GMO Status	该细胞系在建立过程中未使用任何转基因技术。该细胞系为MAML2过表达的CRTC1-MAML2融合蛋白敲入的HEK293T细胞系。
Genotype	HEK293T (Homo sapiens) MAML2过表达 (MAML2-EGFP)
Mutational profile	无突变：该细胞系为野生型HEK293T细胞，未进行任何基因编辑或筛选。
Culture Medium	DMEM: DMEM:Ham's F12 (1:1) + 3.1 μg/ml胰岛素 + 2.5 μg/ml转铁蛋白 + 15 ng/ml硒 (15 ng/ml硒代蛋氨酸)
Supplements	10% FBS
Dissociation Reagent	胰蛋白酶
Doubling time	约24-48小时
Subculturing	将细胞接种于含10% FBS的培养基中，待其贴壁后，用PBS清洗，加入含有Accutase的溶液，轻轻吹打使细胞脱落，离心后重悬于新鲜培养基中。
Split ratio	1:5
Seeding density	2-4*10^4/cm²
Fluid renewal	每3天更换一次培养基
Freeze medium	将细胞接种于含10% FBS的培养基中，待其贴壁后，用PBS清洗，加入含有Accutase的溶液，轻轻吹打使细胞脱落，离心后重悬于新鲜培养基中。

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Thawing and
Culturing Cells

1. Thaw the cells as quickly as possible in a water bath at 37 °C. Remove the cells from the bath and centrifuge at 300 × g for 3 min. Remove the supernatant and resuspend the cells in 1 ml of complete medium. Seed the cells into a 24-well plate (100,000 cells per well) or a 96-well plate (20,000 cells per well). Incubate the cells for 24 h at 37 °C in 5% CO₂.
2. After 24 h, check the cells for confluency. If the cells are not confluent, add more cells to reach a density of 100,000 cells per well in a 24-well plate or 20,000 cells per well in a 96-well plate.
3. After 48 h, check the cells for confluency. If the cells are not confluent, add more cells to reach a density of 100,000 cells per well in a 24-well plate or 20,000 cells per well in a 96-well plate.
4. After 72 h, check the cells for confluency. If the cells are not confluent, add more cells to reach a density of 100,000 cells per well in a 24-well plate or 20,000 cells per well in a 96-well plate.
5. After 96 h, check the cells for confluency. If the cells are not confluent, add more cells to reach a density of 100,000 cells per well in a 24-well plate or 20,000 cells per well in a 96-well plate.
6. After 120 h, check the cells for confluency. If the cells are not confluent, add more cells to reach a density of 100,000 cells per well in a 24-well plate or 20,000 cells per well in a 96-well plate.
7. After 144 h, check the cells for confluency. If the cells are not confluent, add more cells to reach a density of 100,000 cells per well in a 24-well plate or 20,000 cells per well in a 96-well plate.
8. After 168 h, check the cells for confluency. If the cells are not confluent, add more cells to reach a density of 100,000 cells per well in a 24-well plate or 20,000 cells per well in a 96-well plate.

Incubation
Atmosphere

37 °C, 5% CO₂, humidified

Flask Coating

Not required

Shipping
Conditions

Cells are shipped in a dry ice container at -78 °C. The container must be kept at -78 °C for the entire shipping process.

Storage
Conditions

Cells can be stored at -150 °C to -196 °C for up to 12 months. The storage container must be kept at -150 °C to -196 °C for the entire storage period.

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Sterility

The cells are supplied as a frozen cell suspension in a sterile container. The cells are not tested for mycoplasma contamination. The cells are not tested for endotoxin contamination. The cells are not tested for viral contamination. The cells are not tested for bacterial contamination. The cells are not tested for fungal contamination. The cells are not tested for parasitic contamination. The cells are not tested for any other contamination.