

MEL-CLS-2 | 300283

General information

Description	HEK293T cells expressing the protein MEL-CLS-2 (Accession: Cytion 300283) established in 1998.
Organism	HEK293T
Tissue	HEK293T cells
Disease	None

Demographics

Age	~ 20 years
Gender	Male
Ethnicity	European
Growth properties	HEK293T

Identification

Citation	MEL-CLS-2 (Accession: Cytion 300283)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_6001

Protein expression

Protein expression	P53(+)
Tumorigenic	Yes, tumorigenic in nude mice
Mutational profile	BRAF V600Emut

Product sheet

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Karyotype 46,XX,XY,38-56

Characteristics

Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM β-mercaptoethanol (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are cultured in DMEM supplemented with 10% FBS in T25, 3-5 flasks in 3 flasks. Cells are harvested by trypsinization and resuspended in DMEM supplemented with 10% FBS.

Seeding density 1 x 10⁴ - 2 x 10⁴ cells/ml

Fluid renewal 3 times

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath, transfer to a 15 ml centrifuge tube, and centrifuge at 300 x g for 3 minutes.
2. Remove the supernatant, resuspend the pellet in DMEM supplemented with 10% FBS, and seed into a T25 flask.
3. Incubate cells in a humidified 5% CO₂ incubator at 37°C.
4. Once cells reach 70% confluency, passage the cells.
5. Seed cells into a T25 flask at a density of 1.5 x 10⁴ - 8 x 10⁴ cells/ml.
6. Harvest cells by trypsinization and resuspend in DMEM supplemented with 10% FBS.
7. Seed cells into a T25 flask at a density of 1.5 x 10⁴ - 8 x 10⁴ cells/ml.
8. Harvest cells by trypsinization and resuspend in DMEM supplemented with 10% FBS.

