

Product sheet

MEL-CLS-2 | 300283

General information

Description	HEK293T cells expressing the protein MEL-CLS-2 (Accession: P53(+)) (Cytion 300283) (Cytion 1998).
Organism	HEK293T
Tissue	HEK293T cells
Disease	None

Subject information

Age	None
Gender	None
Ethnicity	None
Growth properties	HEK293T

Identification

Citation	MEL-CLS-2 (Accession: P53(+)) Cytion 300283
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_6001

Protein expression

Protein expression	P53(+)
Tumorigenic	Yes, HEK293T cells
Mutational profile	BRAF V600Emut

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Karyotype 46,XX,XY,t(11;22)(p11;p11)

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 flasks. When reaching 80-90% confluency, cells are trypsinized and seeded into 3 flasks.

Seeding density 1 x 10⁶ cells / 2 x 10⁵ cells / 1 x 10⁴ cells

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.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 15 ml of DMEM supplemented with 10% FBS.
4. Seed cells into a T25 flask.
5. Incubate cells in a humidified CO₂ incubator at 37°C.
6. Monitor cell growth and confluency.
7. Perform fluid renewal 3 times.
8. Harvest cells when reaching 80-90% confluency.

