

Product sheet

NIH-3T3-ras | 400100

General Information

<b>Description</b>	H-ras-oncogene (G-418)
<b>Organism</b>	
<b>Tissue</b>	
<b>Synonyms</b>	NIH3T3-ras, A51, EJ-NIH/3T3, EJ-NIH-3T3

Characteristics

<b>Breed/Subspecies</b>	
<b>Age</b>	
<b>Gender</b>	
<b>Cell type</b>	
<b>Growth properties</b>	

Documentation

<b>Citation</b>	NIH-3T3-ras (400100)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	10090
<b>CellSaurusAccession</b>	CVCL_5845
<b>GMO Status</b>	GMO-S1: (HRAS) (p.Gly12Val)

Additional Information

<b>Tumorigenic</b>	
<b>Viruses</b>	MAP:

**SV40 NIH-3T3-ras | NIH-3T3-ras | 400100**

**Virus susceptibility** SV40

**Reverse transcriptase**

**Characteristics**

**Culture Medium** DMEM 4.5 g/l, 4 mM, 3.7 g/l, 1.0 mM NaHCO<sub>3</sub> (82)

**Supplements** 10% FBS

**Dissociation Reagent**

**Doubling time** 16

**Subculturing** PBS

**Split ratio** (50 cm<sup>2</sup>) 3 × 10<sup>5</sup> 3

**Fluid renewal** 2

**Freeze medium** (FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube and centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 mL of DMEM supplemented with 10% FBS. Seed the cells into a T75 flask.
2. Allow the cells to grow to confluence (70-80% coverage) in DMEM with 10% FBS. Then, replace the medium with DMEM with 1% FBS for 24 hours to starve the cells.
3. Harvest the cells by trypsinization and seed them into a new T75 flask with DMEM and 10% FBS. Repeat this process until you have a sufficient number of cells.
4. For differentiation, replace the medium with DMEM containing 1% FBS and 10 ng/mL rhIL-3. Harvest the cells after 72 hours.
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7. For differentiation, replace the medium with DMEM containing 1% FBS and 10 ng/mL rhIL-3. Harvest the cells after 72 hours.
8. For differentiation, replace the medium with DMEM containing 1% FBS and 10 ng/mL rhIL-3. Harvest the cells after 72 hours.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>

Flask Coating

None

Freezing Procedure

Resuspend cells in 1 mL of freezing medium (DMEM + 10% FBS + 10% DMSO) and freeze at -80°C.

Shipping Conditions

Store at -80°C until use.

Storage Conditions

Store at -150°C to -196°C in liquid nitrogen.

Genotype / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR. No mycoplasma contamination was detected.