

Product sheet

**NRK-EGFP3-Seh1 | 500731**

**NRK-EGFP3-Seh1**

**Description** NRK-EGFP3-Seh1 is a rat (NRK) cell line. It is a 50% mixture of NRK and EGFP3-Seh1, where EGFP3 (EGFP) is expressed in Seh1 cells. NRK-EGFP3-Seh1 cells are used for the study of EGFP3 expression in rat cells.

**Organism** Rat

**Tissue** Kidney

**Synonyms** NRK EGFP3-Seh1

**Characteristics**

**Breed/Subspecies** NRK

**Morphology** Epithelial cells

**Growth properties** Adherent, epithelial

**References**

**Citation** NRK-EGFP3-Seh1 (Cell Line) Cytion 500731

**Biosafety level** 1

**NCBI\_TaxID** 10116

**CellosaurusAccession** CVCL\_AV94

**Depositor** European Molecular Biology Laboratory (EMBL)

**Receptors expressed**

EGF receptor (EGF), MSA

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<b>Protein expression</b>	EGFP3-Seh1
<b>Products</b>	Seh1 (XXXXXXXXXX SEH1)
<b>XXXXXXXXXX</b>	
<b>Culture Medium</b>	DMEM, w: 4.5 g/L XXXXXXXX, w: 4 mM L-XXXXXXX, w: 3.7 g/L NaHCO3, w: 1.0 mM XXXX XXXXXXXX (XXXX XXXXXXXX Cytion 820300a)
<b>Supplements</b>	XXXX XXXXXXXX 10% FBS, 0.5 µg/µl G418
<b>Dissociation Reagent</b>	XXXXXX
<b>Subculturing</b>	XXXX XX XXXXXXXX XXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXX XXXX X-PBS XXX XXXXX XXXXXXXX. XXXX XXXXXXXX T25, XXXXXXXX X-3-5 µl PBS, XXXXXXXX XXXX 3 XXXX. XXXX XX XXXXXXXX XXXXXXXX, XXXX XX XXXXXXXX XXXXXXXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXX.
<b>Split ratio</b>	XXXXXX XXXXXXXX XXXXXXXX 1:3 XX 1:4
<b>Seeding density</b>	2 XX 4 x 10 <sup>4</sup> XXXXXXXX/XX
<b>Fluid renewal</b>	2 XX 3 XXXXXXXX XXXXXXXX
<b>Freeze medium</b>	XXXXXXXX XXXXXXXX XXXXXXXX, XXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXX (XXXX FBS) + 10% DMSO XXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX, XX C

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**Thawing and Culturing Cells**

1. **Thawing:** Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes at 4°C.
3. **Resuspension:** Resuspend the cells in 10 ml of pre-warmed medium.
4. **Seeding:** Seed the cells into a 15 cm<sup>2</sup> flask with 8 ml of medium.
5. **Incubation:** Incubate the cells at 37°C with 5% CO<sub>2</sub> until they reach 70% confluency.
6. **Passaging:** Pass the cells into a 300 x g flask with 3 ml of medium.
7. **Media Change:** Change the medium every 2-3 days.
8. **Storage:** Store the cells in liquid nitrogen for long-term storage.

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>, humidified air

**Flask Coating**

Not required

**Freezing Procedure**

Resuspend cells in freezing medium and store in liquid nitrogen at -78°C.

**Shipping Conditions**

Store at -78°C during shipping.

**Storage Conditions**

Store at -150°C for 196 weeks.

**Genotype / HLA**

**Sterility**

Cells are tested for mycoplasma contamination. PCR testing is performed. Sterility is guaranteed.