

Product sheet

NRK-IBB-DiHcRed1 | 500671

DESCRIPTION

Description NRK-IBB-DiHcRed1 is a mouse embryonic stem (ES) cell line derived from a 129/Ola mouse strain. It is a clonal cell line that has been established from a single ES cell. The cell line is characterized by its ability to differentiate into all three germ layers (ectoderm, mesoderm, and endoderm) and to form a variety of cell types, including neurons, muscle cells, and blood cells. The cell line is maintained in culture on feeder cells and is typically used for gene targeting and transgenic mouse production. The cell line is deposited with the European Collection of Cell Cultures (ECACC) under the accession number NRK-IBB-DiHcRed1.

Organism Mus musculus

Tissue Embryonic stem cells

Synonyms NRK IBB-DiHcRed1

CHARACTERISTICS

Breed/Subspecies 129/Ola

Morphology Clonal cell line

Growth properties Growth dependent on feeder cells

DEPOSIT INFORMATION

Citation NRK-IBB-DiHcRed1 (ECACC 500671)

Biosafety level 1

NCBI_TaxID 10116

CellosaurusAccession CVCL_AV95

Depositor European Collection of Cell Cultures (EMBL)

GENETIC INFORMATION

Receptors expressed EGF receptor (EGFR) (MSA)

Protein expression IBB-DiHcRed1: 1...589 / Pcmv 656...916 / IBB 932...1615 1670...2356 / HcRed1 3587...4381 / KanR/Neor

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Products CMV Promotor IBB (Ribbeck & Gorlich 2002)

Culture Medium DMEM 4.5 g/l, 4, 3.7 g/l NaHCO3 1.0 (820)

Supplements 10% FBS 0.5 G418

Dissociation Reagent

Subculturing PBS. 0.025% EDTA

Seeding density 2 x 10⁴

Fluid renewal 2 x 3

Freeze medium (FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. ...
 2. ... -150 ...
 3. ... 37 ...
 4. ... 70% ...
 5. ... 15 ... 8 ...
 6. ... 300 x 3 ...
 7. ... 10 ...
 8. ...

