

Product sheet

CDNR4 | 400391

CDNR4

Description CDNR4 is a cell line derived from a patient with a CDNR4 mutation. It is a fibroblast cell line that is immortalized and stably transfected with a CDNR4 expression vector. The cells are maintained in DMEM medium supplemented with 10% FBS. The cell line is characterized by its high proliferation rate and its ability to differentiate into various cell types. The CDNR4 mutation is a point mutation that results in a truncated protein. The CDNR4 protein is a member of the CDNR family of proteins, which are involved in cell signaling and cell cycle regulation. The CDNR4 mutation is associated with a specific disease. The CDNR4 cell line is a valuable tool for studying the function of the CDNR4 protein and the role of the CDNR4 mutation in disease. The CDNR4 cell line is available from Cytion.

Organism Human

Tissue Fibroblast

Disease CDNR4 mutation

CDNR4

Age 30-40 years

Gender Male

Growth properties High proliferation rate, ability to differentiate into various cell types.

CDNR4

Citation CDNR4 (Cytion 400391)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_5719

CDNR4

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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 sodium pyruvate (Cytion 820300a)

Supplements 10% FBS

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Dissociation Reagent β -mercaptoethanol

Subculturing Cells are dissociated using β -mercaptoethanol. Cells are washed with PBS and resuspended in T25, T75 or T175 flasks. Media is replaced with fresh medium every 3-5 days. Media is replaced with fresh medium every 3-5 days.

Seeding density 2×10^4 - 4×10^4 cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery Cells are seeded at a density of 2×10^4 - 4×10^4 cells/cm² and allowed to recover for 24 hours before use.

Freeze medium Cells are frozen in a medium containing 10% DMSO and 90% FBS.

- Thawing and Culturing Cells**
1. Cells are thawed in a water bath at 37°C and immediately transferred to a pre-warmed medium.
 2. Cells are centrifuged at 300 x g for 3 minutes and the supernatant is removed.
 3. Cells are resuspended in pre-warmed medium and seeded into a flask.
 4. Media is replaced with fresh medium every 3-5 days.
 5. Cells are allowed to reach confluence (70-80%) before use.
 6. Media is replaced with fresh medium every 3-5 days.
 7. Cells are harvested by trypsinization and resuspended in a suitable medium.
 8. Cells are seeded into a flask at a density of 2×10^4 - 4×10^4 cells/cm².

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

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Freezing Procedure

CDNR4 is a highly sensitive and specific assay for the detection of CD4+ T cells. It is a flow cytometry assay that uses a panel of antibodies to identify and quantify CD4+ T cells. The assay is performed on a flow cytometer and the results are analyzed using a computer program. The assay is highly sensitive and specific, and can be used to detect CD4+ T cells in a wide range of samples. The assay is performed on a flow cytometer and the results are analyzed using a computer program. The assay is highly sensitive and specific, and can be used to detect CD4+ T cells in a wide range of samples. -78°C

Shipping Conditions

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Storage Conditions

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CDNR4 / CD4+ T cells / HLA

Sterility

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