DM1-1 hiPS cell line

Catalogue number: 157738
Sub-type:
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: DM1-1 hiPS cell line

Alternate name: Myotonic dystrophy 1 (DM-1)

Class:
Conjugate:
Description: Myotonic dystrophy is a genetic disease characterized by a loss of muscle function. Myotonic dystrophy type 1 (DM1), the most common form of myotonia, is caused by mutations in the DMPK gene. Currently, there is no cure or treatment for DM1. 4 total cell lines are available: 2 undifferentiated hiPSC lines from two DM1 patients (DM1-1 hiPS cell line, DM1-2 hiPS cell line) and 2 differentiated skeletal muscle cell lines (DM1-1 iPAX7-hiPS cell line and DM1-2 iPAX7-hiPS cell line).
Purpose:
Parental cell: skin fibroblasts from a diagnosed DM1 patient
Organism: Human
Tissue:
Model: Stem Cells
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details: To generate a cell-based model for DM1, researchers obtained a sample of skin fibroblasts from two diagnosed DM1 patients. These fibroblasts (DM1-1 and DM1-2) were

reprogrammed to hiPS cells via the Sendai virus method.
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: myotonic dystrophy protein kinase (DMPK)

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools: DM1-2 hiPS cell line ; DM1-1 iPAX7-hiPS cell line ; DM1-2 iPAX7-hiPS cell line

References

References: