# Package 'humanStemCell'

October 12, 2023

**Title** Human Stem Cells time course experiment

**Version** 0.40.0

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**Description** Affymetrix time course experiment on human stem cells (two time points: undifferenti-
ated and differentiated).

**biocViews** ExperimentData, Homo_sapiens_Data

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**License** Artistic-2.0

**Depends** Biobase (>= 2.5.5), hgu133plus2.db

**git_url** https://git.bioconductor.org/packages/humanStemCell

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## R topics documented:

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| fhesc | *Data from a simple experiment on Human stem cells.* |

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### Description

Human stem cells were assayed using Affymetrix 133plus 2 arrays. There were six arrays, three
were biological replicates for undifferentiated cells, the other three were biological replicates for
differentiated cells.

## Usage

```
data(fhesc)
```

## Format

The data are in the form of an `ExpressionSet` instance.

## Details

Human Embryonic Stem Cells, H1 Line were cultured under feeder-free conditions. Undifferentiated samples were taken from this pool. The differentiated samples were obtained by maintaining the cells in culture for 10 - 14 days in the absence of basic fibroblast growth factor and conditioned medium.

## Source

The data were obtained from Dr. M. Tewari.

## References

These data were used to prepare the book chapter, R and Bioconductor packages in bioinformatics: towards systems biology, by Nolwenn LeMeur, Michael Lawrence, Merav Bar, Muneesh Tewari and Robert Gentleman

## Examples

```
data(fhesc)
```

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