Package 'KOdata'

November 10, 2026

Type Package

Title LINCS Knock-Out Data Package

Version 1.38.0

Date 2016-06-23

Author Shana White

Maintainer Shana White <vandersm@mail.uc.edu>

Description Contains consensus genomic signatures (CGS) for experimental cell-line specific gene knock-outs as well as baseline gene expression data for a subset of experimental cell-lines. Intended for use with package KEGGlincs.

License MIT + file LICENSE

LazyData TRUE

RoxygenNote 5.0.1

Depends R (>= 3.3.0)

biocViews ExpressionData, CancerData, Homo_sapiens_Data

NeedsCompilation no

git_url https://git.bioconductor.org/packages/KOdata

git_branch RELEASE_3_23

git_last_commit 1b7a03b

git_last_commit_date 2026-04-28

Repository Bioconductor 3.23

Date/Publication 2026-11-10

Contents

gene_cell_info 2
KOdata 2
KO_data 3

Index 4

gene_cell_info *Baseline expression information for genes across cell lines*

Description

This data set contains baseline expression measurements for genes in cell lines [without any experimental perturbations] as profiled by the LINCS data consortium

Usage

```
data(gene_cell_info)
```

Format

A data frame with 1703457 observations on the following 6 variables.

- `pr_gene_symbol` a character vector
- `cell` a character vector
- `basex_affx` a numeric vector
- `basex_rnaseq` a numeric vector
- `copy_number` a numeric vector
- `is_expressed` a logical vector

Value

A data.frame object

KOdata *KOdata: an R data package designed to be used with KEGGlincs*

Description

KOdata: an R data package designed to be used with KEGGlincs

KO_data *LINCS knock-out data*

Description

This data set contains consensus genome signatures (CGS) that are the result of experimental knock-out studies conducted by the BROAD Institute.

Usage

```
data(KO_data)
```

Format

A data frame with 36720 observations on the following 9 variables.

- `cell_id` a character vector
- `pert_desc` a character vector
- `pert_time` a numeric vector
- `dn100_bing` a character vector
- `dn100_full` a character vector
- `dn50_lm` a character vector
- `up100_bing` a character vector
- `up100_full` a character vector
- `up50_lm` a character vector

Value

A data.frame object

References

http://lincsportal.ccs.miami.edu

Index

∗ **datasets**
gene_cell_info, 2
KO_data, 3

gene_cell_info, 2

KO_data, 3
KOdata, 2
KOdata-package *(*KOdata*)*, 2