

Package ‘KOdata’

June 25, 2024

Type Package

Title LINCS Knock-Out Data Package

Version 1.31.0

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 devel

git_last_commit 36425c7

git_last_commit_date 2024-04-30

Repository Bioconductor 3.20

Date/Publication 2024-06-25

Contents

gene_cell_info	2
KOdata	2
KO_data	3

Index	4
--------------	----------

gene_cell_info	<i>Baseline expression information for genes across cell lines</i>
----------------	--

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_symbola character vector
- cella character vector
- basex_affxa numeric vector
- basex_rnaseqa numeric vector
- copy_numbera numeric vector
- is_expresseda logical vector

Value

A data.frame object

KOdata	<i>KOdata: an R data package designed to be used with KEGGlinCs</i>
--------	---

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](#)