

# Package ‘Kodata’

May 15, 2025

**Type** Package

**Title** LINCS Knock-Out Data Package

**Version** 1.35.0

**Date** 2016-06-23

**Author** Shana White

**Maintainer** Shana White <[vandersm@mail.uc.edu](mailto: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 KEGGlines.

**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** 9d7dad

**git\_last\_commit\_date** 2025-04-15

**Repository** Bioconductor 3.22

**Date/Publication** 2025-05-15

## Contents

gene_cell_info . . . . .	2
Kodata . . . . .	2
KO_data . . . . .	3
<b>Index</b>	<b>4</b>

---

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	<i>LINCS knock-out data</i>
---------	-----------------------------

---

**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](#)