

Submitting Cell Lines

This page provides instructions for submitting cell lines to the GUDMAP/RBK Data Explorer.

If you have any questions or feedback, please send them to your consortium's help email: help@gudmap.org or help@rebuildingakidney.org

We also have the following training materials available:

- [Webinar Slides](#)
- [Webinar Replay 02/08/2018 \(17:06\)](#)

Overview

Adding cell lines involves the following steps:

- Make sure you are in the correct Globus authentication group, [kidney-writers](#), and that you are logged in.
- Create the base Cell Line record.
- Then you will add related records (or tables) to the base record, including validation assets and reporter vector maps.

Note: Make sure the parental cell line is in the system (*Search > Cell & Animal Models > Parental Cell Lines*). If it's not there, you will need to add it (see [Adding a Parental Cell Line](#)).

Create base record

From anywhere within the GUDMAP/RBK data repository, go to the top navigation bar and click *Create > Cell & Animal Models > Reporter Cell Lines*. (You must be logged in.)

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Create Record

REPORTER CELL LINE

Submit

* Indicates required field

+ -

Record Number	1
* Name	
Gene	Select a value
Genotype	Select a value
Source Line	
* Parental Line	
Reporter Category	Select a value
Donor Status	Select a value
Sex	Select a value
Organism	Select a value
Cell Line Type	Select a value
Reprogramming Method Reference	Select a value
Targeting Approach	Select a value
Reporter	
Cas9 Protospacer	
Pluripotency	
Karyotype	Select a value
Karyotype File	No file Selected Select file
* Principal Investigator	Select a value
* Consortium	Select a value
Creation Time	Automatically generated
Last Modified Time	Automatically generated

* Privacy policy

Tip: Enter as many fields as you can. The more fields you enter, the more details are available in the filter sidebar for users to search by.

All of the available fields are listed below and required fields are in **bold**:

- **Name**
- Gene
- Genotype
- Source Line
- **Parental Line**
- Reporter Category
- Donor Status

- Sex
- Organism
- Cell Line Type
- Reprogramming Method Reference
- Targeting Approach
- Reporter
- Cas9 Protospacer
- Pluripotency
- Karyotype
- Karyotype File (Upload file)
- **Principal Investigator** - Note: Add the PI for your project. When you click the field, a modal window will open. If the name of your PI is not available, add them using "+" sign (Create new record) button.
- **Consortium**

Once you have entered your information, scroll back up to the top of the page and click "Submit". Your base record is now created.

Add related records

Add related records in the following tables:

Cell Type Marked

Click the "Add" link to the right of the table.

▼ Cell Type Marked (no results found)								
<div>AddView Mo</div>								
Actions	ID ↑↓	Kidney Lineage ↑↓	Cell Type ↑↓	RID ↑↓	RCB ↑↓	RMB ↑↓	Creation Time ↑↓	Last Modified Time ↑↓
No Results Found								

A new browser tab will open with the Create Record form.

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Create Record

CELL TYPE MARKED Submit

* Indicates required field + ▼

Record Number	1
Cell Line Name	Test Line
Kidney Lineage	Select a value ▼
Cell Type	Select a value ▼
<u>RID</u>	Automatically generated
<u>RCB</u>	Automatically generated
<u>RMB</u>	Automatically generated
<u>Creation Time</u>	Automatically generated
<u>Last Modified Time</u>	Automatically generated

[* Privacy policy](#)

In the form, choose values for the following fields:

- Kidney Lineage
- Cell Type

If the value you need is not available, you can add it using the "+" plus sign button.

When you are finished, click the "Submit" button and close the browser tab.

Pluripotency, Reporter, Targeting Validation Asset Records

There are three types of validation asset records that you may link to this record: *pluripotency*, *report* and *targeting*. For each of these, click the "Add" link.

▼ Pluripotency Validation Asset (no results found) Add View					
Actions	Validation Asset ↑↓	Asset Type ↑↓	Curation Status ↑↓	Creation Time ↑↓	Last Modified Time ↑↓
No Results Found					

A new browser tab will open with the Create Record form (using Pluripotency Validation Asset as an example).

Create Record
PLURIPOTENCY VALIDATION ASSET

* Indicates required field

Record Number: 1

Cell Line Name: Test Line

* Validation Asset: Select a value

* Asset Type: Select a value

* Curation Status: Biocurator Review

Submit

* Privacy policy

In the form, enter the following fields.

- Validation Asset
- Asset Type - Choose "microscopy" or "array".

Note that the last field is *Curation Status*. This field should be set initially to "Biocurator Review". Don't change this value. The biocurator will review this record and make sure it's correct.

Click the "Submit" button at the top of the page and then close the browser tab.

Reporter Vector Map

Towards the bottom of the page, you'll find the Reporter Vector Map section. Click the "Add" link.

▼ Reporter Vector Map (no results found) [Add](#) [View M](#)

Actions	Vector Map ↑↓	Map Type ↑↓	Curation Status ↑↓	Creation Time ↑↓	Last Modified Time ↑↓
No Results Found					

A new browser tab opens with the Create Record form.

Create Record
REPORTER VECTOR MAP

* Indicates required field

Record Number	1
Cell Line Name	Test Line
Vector Map	Select a value
Map Type	Select a value
* Curation Status	Biocurator Review

* Privacy policy

Select values for the following fields:

- Vector Map - If the system does not already include the Vector Map you need, use the "+" button to create a new value and then select it.
- Map Type

Note that the last field is *Curation Status*. This field should be set initially to "Biocurator Review". Don't change this value. The biocurator will review this record and make sure it's correct.

Click the "Submit" button at the top of the page and then close the browser tab.

Adding a Parental Cell Line

If you do not see the parental cell line already in the system (by choosing *Search > Cell & Animal Models > Parental Cell Lines*), you'll need to add it.

From the navigation bar, choose *Create > Cell & Animal Models > Parental Cell Lines*. The Create Form for the parental cell line appears.

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Create Record

PARENTAL CELL LINE

Submit

* Indicates required field

+ -

Record Number	1
* Name	
Organism	Select a value
Cell Line Type	Select a value
Transient Modification	Select a value
Donor Ethnicity	Select a value
Donor Stage	Select a value
Donor Sex	Select a value
Donor Age	
Pluripotency	
Germ Layer Staining	
Sequenced	
Tissue	Select a value
Organ	Select a value
Reference Source	Select a value
Precursor Cell Name	
Passage Number	
Cell Line Made At	Select a value
Kidney Organoids Status	Select a value
Comments	<div> H B I Link Image Table List Comment Share Eye Fullscreen </div> <div></div>
* Principal Investigator	Select a value
* Consortium	Select a value

[Privacy policy](#)

Tip: Fill out as many fields as you can. This improves the ability for users to find this record in the filtering sidebar or other methods of search.

The following are all of the fields available. Required fields are in **bold**.

- **Name**
- Organism
- Cell Line Type
- Transient Modification

- Donor Ethnicity
- Donor Stage
- Donor Sex
- Donor Age
- Pluripotency
- Germ Layer Staining
- Sequenced
- Tissue
- Organ
- Reference Source
- Precursor Cell Name
- Passage Number
- Cell Line Made At
- Kidney Organoids Status
- Comments - Optional text box if you want to add additional information.
- **Principal Investigator** - Note: Add the PI for your project. When you click the field, a modal window will open. If the name of your PI is not available, add them using "+" sign (Create new record) button.
- **Consortium**

When you are finished, click the "Submit" button at the top of the page.