

Guide to Filters for RNAi Products

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Our filters are key features to quickly focus your search for RNAi data to help you design better, more successful experiments

Check out these articles to learn more about applying filters

Search terms you can include in the search bar

What's the difference between using the search bar vs applying filters?

What's the search logic if I apply more than one filter?

Excluding search criteria from your search

Filter type: Application

- Based on **vendor recommendations** or **publication data**
- Narrow down your results based on the type of experiment such as *knockdown* or *knockout*
- Search logic for multiple selections
 - **Product** results = AND (all products must have been used with that context for all selections)
 - **Figure** results = OR (all figure results must contain at least one of the selections)

Filter type: Organism

Species of the cell/tissues/animal model an experiment was performed in. This filter also shows a list of aliases/synonyms (ex. *homo sapiens* will be grouped under *human*)

Filter type: Figure Usage Data

- Narrow down your search results based on **how the product was used in the literature**
- Search logic for multiple selections
 - Applying different **Figure Usage Data** filters = AND
 - Applying multiple within a filter = OR 1

| | Description | Example |
|--|-------------|---------|
|--|-------------|---------|

| | | |
|-----------------------|---|---|
| Tissue Used | Type of tissue that experiments were performed in | Liver Lung |
| Cell Type Used | Cell type that the experiments were performed in | Epithelial Neuron |
| Cell Line Used | Specific names of cell lines that experiments were performed in | HEK293 HeLa cells |
| Disease | Disease context that experiments are associated with | Breast cancer Chronic kidney disease |
| Drug | Specific drugs used in the experiment | Tamoxifen |

Filter type: Supplier

- Narrow down results based on information **about the vendors/suppliers**
- Search logic for multiple **Company** selections: OR (the product or figure results need to match at least one of the companies)

| | Description |
|---------------------|---|
| Availability | This filter hides discontinued or commercially unavailable products—the default option is that all products are shown |
| Company | The vendor that sells the product — choose or exclude preferred vendors |

Filter type: RNAi Specs

- Search logic for multiple selections for both product and figure results
 - AND: **Format, Vector, Promoter, Reporter, Selectable Marker, Modification**
 - OR: **Reactivity, Purification Method**

| | Description | Example |
|------------------------|---|---------------------------------|
| RNAi Type | The type of RNAi product | shRNA siRNA |
| <u>Format</u> | The format that the RNAi reagents come in | Plasmid Lentiviral particles |
| <u>Sequence</u> | If you only want to show RNAi products that have a known sequence | |
| Vector | Vehicle to carry the RNAi reagent | piLenti-siRNA-GFP pZIP-hCMV |
| Promoter | The promoter in the expression vector (if it comes as a vector) to transcribe the RNAi sequence | CMV promoter SV40 promoter |

| | | |
|----------------------------|--|-----------------------|
| Reporter | A detectable molecule attached to the RNAi molecule to help visualize and confirm transfection | eGFP mCherry |
| Selectable Marker | The selectable marker for a plasmid-based RNAi | Puromycin Zeocin |
| Modification | Any additional add-ons to the RNAi molecule | Biotin Fluorescein |
| Purity | Purity of the RNAi product | ≥ 95% ≥ 90% |
| Purification Method | How the RNAi product was purified | |