

Guide to Filters for RNAi Products

Last Modified on 22/03/2023 4:17 pm EDT

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: 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

	Description	Example
Organism Tested	Species of the cell/tissues/animal model an experiment was performed in. This filter also shows a list of aliases/synonyms (ex. <i>homo sapiens</i> will be grouped under <i>human</i>).	Human Drosophila
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

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
Reactivity	What species the RNAi molecule will target based on vendor-provided specifications AND publication-derived data	Human Mouse
<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	