

Searching NCBI Genbank

UGENE allows searching data in NCBI GenBank remote database. To do this open the following dialog by *File->Search NCBI Genbank* main menu:

The screenshot shows the 'NCBI Sequence Search' dialog box. It features a search interface with the following elements:

- Term:** A dropdown menu set to 'All fields' and an adjacent text input field.
- AND:** A dropdown menu set to 'AND' and another 'All fields' dropdown menu, followed by a second text input field.
- Database:** A dropdown menu set to 'nucleotide'.
- Search query:** A large text area for entering the search query.
- History...:** A button located to the right of the search query area.
- Results:** A table with three columns: 'ID', 'Desc', and 'Size'. The table is currently empty.
- Result limit:** A spinner control set to the value '20'.
- Buttons:** 'Search', 'Download', 'Close', and 'Help' buttons are located at the bottom of the dialog.

To search data in the nucleotide or protein databases enter a general text query to the search field, select the database and click on the *Search* button. You can use a protein name, gene name, or gene symbol directly. Searching with a submitter or author name in the following format will produce the best results.

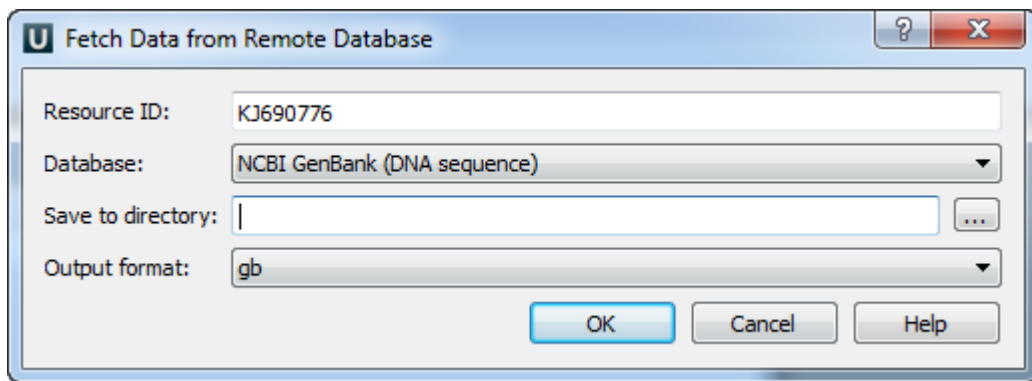
Use the boolean operator AND to find records that contain every one of your search terms, the intersection of search results.

Use the boolean operator OR to find records that include one of several search terms, the union of search results.

Use the boolean operator NOT to exclude records matching a search term.

To limit results use the *Result limit* field.

After you click the *Search* button, UGENE searches the biological objects and shows it in the *Results* field. You can download the object(s). Select one or several objects (for selecting several objects use the *Ctrl* button) and click the *Download* button. The dialog will appear:



After you click the *OK* button, UGENE downloads the biological objects and adds it to the current *project*.