

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 has a title bar with a close button. The main area contains the following elements:

- Term:** A dropdown menu set to 'All fields' and an adjacent text input field with a '+' button.
- Database:** A dropdown menu set to 'nucleotide'.
- Search query:** A large text input field.
- Results:** A table with columns 'ID', 'Desc', and 'Size'. The table is currently empty.
- Result limit:** A dropdown menu set to '20'.
- Buttons:** 'Help', 'Search', 'Close' (with a red X icon), and 'Download' (with a green checkmark icon).

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 for a submitter or author name in the following format will produce the best results.

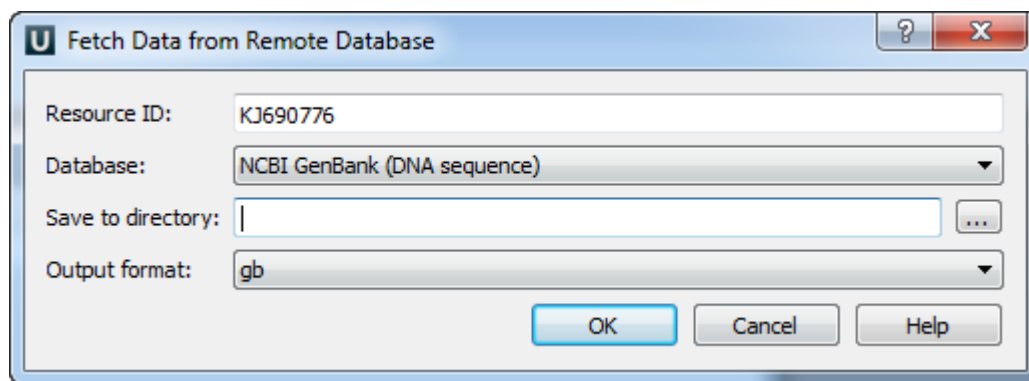
Use the boolean operator AND to find records that contain every one of your search terms, the intersection of search results.

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:



The image shows a dialog box titled "Fetch Data from Remote Database" with a blue header bar containing a question mark icon and a close button (X). The dialog contains four input fields: "Resource ID" with the text "KJ690776", "Database" with a dropdown menu showing "NCBI GenBank (DNA sequence)", "Save to directory" with an empty text box and a browse button (...), and "Output format" with a dropdown menu showing "gb". At the bottom right are three buttons: "OK" (highlighted in blue), "Cancel", and "Help".

Resource ID:	KJ690776
Database:	NCBI GenBank (DNA sequence)
Save to directory:	
Output format:	gb

OK Cancel Help

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