

# 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 title bar with a question mark and a close button. The main area contains search controls: a 'Term:' dropdown set to 'All fields' with an adjacent text input field and a '+' button; a second dropdown set to 'AND' with another 'All fields' dropdown and a '-' button; a 'Database:' dropdown set to 'nucleotide'; and a 'Search query:' text area. A 'History...' button is located to the right of the search query area. Below these is a 'Results:' section with a table header containing 'ID', 'Desc', and 'Size'. At the bottom left, there is a 'Result limit:' field set to '20'. At the bottom right, there are three buttons: 'Search', 'Download', and 'Close', with a 'Help' button also present.

ID	Desc	Size
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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.

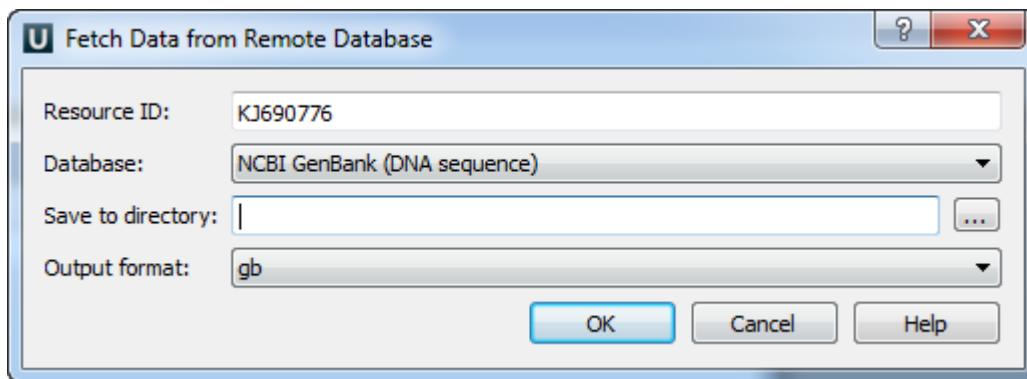
Use the boolean operator *AND* to find records that contain every one of your search terms, the intersection of search results.

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:



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*.