

Opening BioMart data in UGENE by ID

Let's open [web site](http://www.biomart.org):



Click, for example, on the *Proceed to Bio Portal* link. The following page will appear:

BioMart Central Portal

Home

IDENTIFIER SEARCH

Examples: KRA, **ENSG00000146648**

Go

TOOLS

Gene retrieval Variant retrieval Sequence retrieval ID converter

Cancer genes
Ensembl
Ensembl Bacteria
Ensembl Fungi
Ensembl Metazoa
Ensembl Plants
Ensembl Protists
Mouse Genome Informatics
VEGA

DATABASE SEARCH

Search by type Search by organism Search by database name (A-Z)

Genome
Gene annotation
Protein sequence and structure
Interaction and pathways
Gene expression

BioMART CENTRAL PORTAL

Databases: 41

Click on the map to view the list of databases

| Country | Number of Databases |
|----------------|---------------------|
| Canada | 1 |
| United States | 8 |
| United Kingdom | 21 |
| Spain | 1 |
| France | 4 |
| Italy | 1 |
| China | 1 |
| South Korea | 1 |
| Japan | 1 |
| Peru | 1 |
| Chile | 1 |

Notice that an example Ensembl ID below the search bar is highlighted (it has a light blue background).

Current version of the UGENE extension allows detecting the following types of identification numbers:

1. Ensemble Gene ID
2. Ensembl Protein ID
3. PDB ID

Right-click on the ID and select *Open in UGENE* item in the context menu:

BioMart Central Portal

Home

The screenshot shows the 'IDENTIFIER SEARCH' section of the BioMart Central Portal. At the top, there is a search input field and a 'Go' button. Below the search bar, examples of identifiers are listed: 'KRAS' and 'ENSG00000446640'. A list of categories is visible, including 'Gene retrieval', 'Variation', and 'converter'. A list of databases is also shown: 'Cancer genes', 'Ensembl', 'Ensembl Bacteria', 'Ensembl Fungi', 'Ensembl Metazoa', 'Ensembl Plants', 'Ensembl Protists', 'Mouse Genome Informatics', and 'VEGA'. A context menu is open over the search results, listing options such as 'Open link in new tab', 'Open link in new window', 'Open link in incognito window', 'Save link as...', 'Copy link address', 'Open in UGENE', and 'Inspect element'. The 'Open in UGENE' option is highlighted with a green circle.

The sequence with the selected ID will be opened in UGENE.