



ImmPort Protein Network Query

Protein Network Query: Searching for Unique Identifiers

Unique identifiers can be accession numbers, which apply to a complete sequence record, or sequence identification numbers, which apply to the individual sequences within a record.

The format of accession numbers varies, depending upon the source database. Some descriptions and examples of typical unique identifiers are given below (adapted from NCBI).

Type of Record

Gene ID

Sample Accession Format

This refers to the NCBI Entrez Gene ID. The identifier that is assigned is an integer and is species specific. For genomes that had been represented in NCBI LocusLink, the Gene ID is the same as the Locus ID. The Gene ID is reported in RefSeq records as a ?db_xref? (e.g., /db_xref=?Gene ID:856646,? in GenBank format).

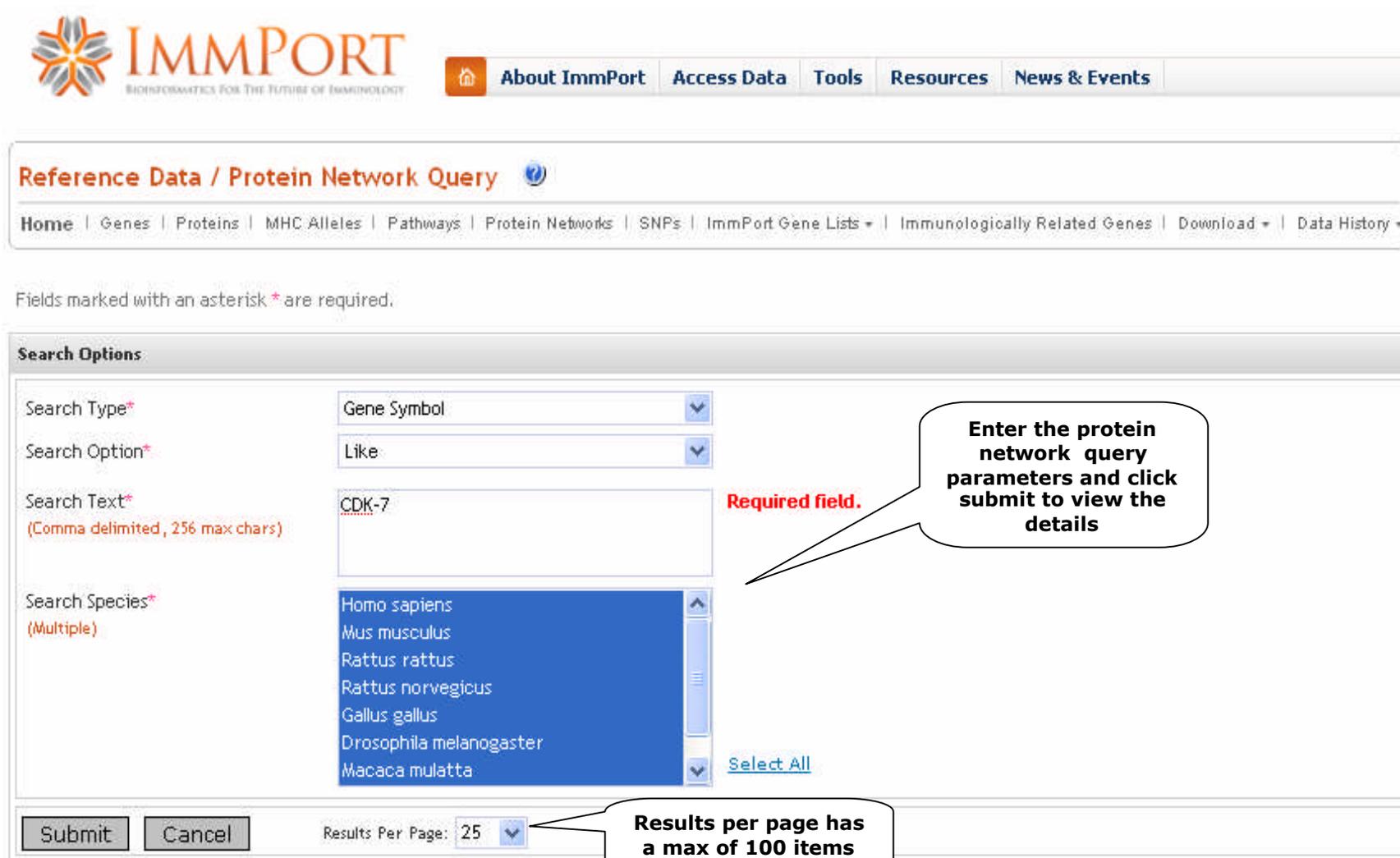
Type of Record

RefSeq Protein Accession

Sample Accession Format

Two capital letters (NP), an underscore bar, and six digits, e.g.: NP_000483.

Select the Protein Network to perform a search query



The screenshot shows the ImmPort Protein Network Query interface. At the top is the ImmPort logo and a navigation menu with links for About ImmPort, Access Data, Tools, Resources, and News & Events. Below the navigation is a breadcrumb trail: Reference Data / Protein Network Query. A secondary navigation bar contains links for Home, Genes, Proteins, MHC Alleles, Pathways, Protein Networks, SNPs, ImmPort Gene Lists, Immunologically Related Genes, Download, and Data History. A note states: "Fields marked with an asterisk * are required." The main form is titled "Search Options" and contains the following fields:

- Search Type***: A dropdown menu set to "Gene Symbol".
- Search Option***: A dropdown menu set to "Like".
- Search Text***: A text input field containing "CDK-7". A red asterisk and the text "(Comma delimited, 256 max chars)" are visible. A red callout bubble points to this field with the text "Required field." and another bubble says "Enter the protein network query parameters and click submit to view the details".
- Search Species***: A multi-select dropdown menu with the following options: Homo sapiens, Mus musculus, Rattus rattus, Rattus norvegicus, Gallus gallus, Drosophila melanogaster, and Macaca mulatta. A "Select All" link is at the bottom right of the dropdown.

At the bottom of the form are "Submit" and "Cancel" buttons, and a "Results Per Page:" dropdown menu set to "25". A callout bubble points to this dropdown with the text "Results per page has a max of 100 items".

Protein Network Query

Fields marked with an asterisk * are required.

Search Type*

- Gene Symbol
- Gene Symbol
- Gene Name
- Gene ID
- Chromosome Region
- NCBI mRNA Accession
- NCBI Protein Accession

Search type used in the query

Search Option*

- Like
- Like
- Exact Match
- Start With
- Like

Search option operator used in the query

Search Text*
(Comma delimited, 256 max chars)

Search text used in the query like a gene of interest

Search Species*
(Multiple)

- Homo sapiens
- Mus musculus
- Rattus rattus
- Rattus norvegicus
- Gallus gallus
- Drosophila melanogaster
- Macaca mulatta
- Select All

Species studied can be selected individually or in multiples using the Ctrl Key. OR click 'Select All'

Search Human Build*
(for Homosapiens)

- Build 36.1, hg18
- Build 36.1, hg18

Human build

Results Per Page

Results per page up to a maximum of 100 and click 'Submit'