Resource Summary Report

Generated by NIF on Sep 11, 2026

ProtCom

RRID:SCR_007877
Type: Tool

Proper Citation

ProtCom (RRID:SCR_007877)

Resource Information

URL: http://www.ces.clemson.edu/compbio/protcom

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 16, 2013. A database of protein-protein homo- and hetero-complexes as well as domain-domain structures. This issue of the database contains 17.024 entries (as of October 2007) of which 1350 are two-chain protein hetero-complexes, 7773 homodimers and 1589 are one-chain proteins parsed into two domains (domain structures). The rest of entries are constructed from PDB files for multi-chain protein complexes by leaving only two interacting chains, (in the database nomenclature designators of those chains are appended to the name of the original PDB file). The homo-complexes in this database are the complexes with two monomers having more than 95 % sequence identity. Each entry consists of the X-ray structure taken from the PDB data bank (in the PDB/ folder), sequence file (in the SEQ/ folder) and the data file (in the INF/ folder) where all relevant information is stored. File names consist of PDB ID and extensions .pdb (X-ray structures), .seq (sequence files or .inf (data files). Current implementation of the database accommodates the following information for each entry, separately for larger (denoted as chain A*) and smaller (chain B) components: * Full sequence; * Number of residues; * Number of residues on the interface; * List of interfacial residues; * Number of helices and strands; * Absolute (in ?2) and relative interface areas. The database is searchable with respect to majority of the above parameters. Additional search is possible with respect to the PDB ID and protein names. Downloads are possible for both individual entries (as plain text files) and for the whole content or search (checked) result list (as one gzipped file). Supplementary search and download is available for the subset of the database at 40% sequence identity level (the DPPC40 database).

Synonyms: ProtCom

Resource Type: data or information resource, database

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: ProtCom

Resource ID: SCR_007877

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260905T133147+0000

Ratings and Alerts

No rating or validation information has been found for ProtCom.

No alerts have been found for ProtCom.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Talley K, et al. (2008) On the electrostatic component of protein-protein binding free energy. PMC biophysics, 1(1), 2.