

Resource Summary Report

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Protein Interactions by Structural Matching

RRID:SCR_002116

Type: Tool

Proper Citation

Protein Interactions by Structural Matching (RRID:SCR_002116)

Resource Information

URL: <http://prism.cccb.ku.edu.tr/prism/>

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Description: It is a web-server that can be used to explore protein interfaces and predict protein-protein interactions. It is a website for protein interface analysis and prediction of putative protein-protein interactions. It is composed of a database holding protein interface structures derived from the Protein Data Bank (PDB). The server also includes summary information about related proteins and an interactive protein interface viewer. A list of putative protein-protein interactions obtained by running our prediction algorithm can also be accessed. These results are applied to a set of protein structures obtained from the PDB at the time of algorithm execution. Users can browse through the non-redundant dataset of representative interfaces on which the prediction algorithm depends, retrieve the list of similar structures to these interfaces or see the results of interaction predictions for a particular protein. Another service provided is interactive prediction. This is done by running the algorithm for user input structures.

Abbreviations: P.R.I.S.M.

Synonyms: Protein Interactions by Structural Matching

Resource Type: data or information resource, database

Defining Citation: [PMID:15991339](#), [PMID:21886100](#)

Keywords: interaction, protein, structure

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Protein Interactions by Structural Matching

Resource ID: SCR_002116

Alternate IDs: nif-0000-20901

Record Creation Time: 20220129T080211+0000

Record Last Update: 20260806T054333+0000

Ratings and Alerts

No rating or validation information has been found for Protein Interactions by Structural Matching.

No alerts have been found for Protein Interactions by Structural Matching.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Zhang SW, et al. (2014) Prediction of protein-protein interaction with pairwise kernel support vector machine. International journal of molecular sciences, 15(2), 3220.

Choi HS, et al. (2012) Phosphorylation of ??-synuclein is crucial in compensating for proteasomal dysfunction. Biochemical and biophysical research communications, 424(3), 597.