

# Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

## Computational Hot Spots of Protein Interfaces

RRID:SCR\_007720

Type: Tool

### Proper Citation

Computational Hot Spots of Protein Interfaces (RRID:SCR\_007720)

### Resource Information

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

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**Description:** It provides information about the evolutionary history of the residues on the interface and represents which residues are highly conserved on the interface. In this way, functionally and structurally important residues on the interface can be distinguished. Hotsprint contains overall properties of the interface such as number of computational hot spots on the interface, number of conserved residues on the interface, average conservation score of interface residues and buried ASA of the interface. Additionally, residues of the interface along with their position, name, conservation score, ASA in monomer, ASA in complex, type (contacting interface residue, neighboring interface residue or none) and whether the residue is computational hot spot or not information are presented.

**Synonyms:** HotSprint

**Resource Type:** data or information resource, database

**Keywords:** evolution of proteins, protein residues, surface residues

**Resource Name:** Computational Hot Spots of Protein Interfaces

**Resource ID:** SCR\_007720

**Alternate IDs:** nif-0000-02980

**Record Creation Time:** 20220129T080243+0000

**Record Last Update:** 20260729T044154+0000

### Ratings and Alerts

No rating or validation information has been found for Computational Hot Spots of Protein Interfaces.

No alerts have been found for Computational Hot Spots of Protein Interfaces.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Iakhiaev MA, et al. (2010) Graph-theoretical comparison of protein surfaces reveals potential determinants of cross-reactivity and the molecular mimicry. Molecular immunology, 47(4), 719.