Resource Summary Report

Generated by kravitz2 on Sep 5, 2026

HingeProt

RRID:SCR_018136
Type: Tool

Proper Citation

HingeProt (RRID:SCR_018136)

Resource Information

URL: http://www.prc.boun.edu.tr/appserv/prc/hingeprot/index.html

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Description: Web server for predicting rigid protein parts and flexible hinge regions connecting them in native topology of protein chains by employing elastic network (EN) models. Automated prediction of hinges in protein structures.

Resource Type: data access protocol, service resource, software resource, web service

Defining Citation: PMID:17847101

Keywords: Predicting protein hinges, flexible hinge region, native topology, rigid protein part, elastic network model, protein structure, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: HingeProt

Resource ID: SCR_018136

Alternate IDs: biotools:hingeprot

Alternate URLs: https://bio.tools/hingeprot

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260903T235441+0000

Ratings and Alerts

No rating or validation information has been found for HingeProt.

No alerts have been found for HingeProt.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Mattiotti G, et al. (2025) Structural Implications of Missense Point Mutations in Shwachman-Bodian-Diamond Syndrome Protein (SBDS): A Combined SAXS/MD Investigation. ACS omega, 10(31), 35103.

Saha S, et al. (2024) Conformational plasticity links structural instability of NAA10F128I and NAA10F128L mutants to their catalytic deregulation. Computational and structural biotechnology journal, 23, 4047.

Lanzoni-Mangutchi P, et al. (2022) Structure and assembly of the S-layer in C. difficile. Nature communications, 13(1), 970.

Gonz??lez-Paz L, et al. (2021) Structural deformability induced in proteins of potential interest associated with COVID-19 by binding of homologues present in ivermectin: Comparative study based in elastic networks models. Journal of molecular liquids, 340, 117284.