Resource Summary Report

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PDBe - Protein Data Bank in Europe

RRID:SCR_004312
Type: Tool

Proper Citation

PDBe - Protein Data Bank in Europe (RRID:SCR_004312)

Resource Information

URL: http://www.ebi.ac.uk/pdbe/

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Description: The European resource for the collection, organization and dissemination of data on biological macromolecular structures. In collaboration with the other worldwide Protein Data Bank (wwPDB) partners - the Research Collaboratory for Structural Bioinformatics (RCSB) and BioMagResBank (BMRB) in the USA and the Protein Data Bank of Japan (PDBj) - they work to collate, maintain and provide access to the global repository of macromolecular structure data. The main objectives of the work at PDBe are: * to provide an integrated resource of high-quality macromolecular structures and related data and make it available to the biomedical community via intuitive user interfaces. * to maintain in-house expertise in all the major structure-determination techniques (X-ray, NMR and EM) in order to stay abreast of technical and methodological developments in these fields, and to work with the community on issues of mutual interest (such as data representation, harvesting, formats and standards, or validation of structural data). * to provide high-quality deposition and annotation facilities for structural data as one of the wwPDB deposition sites. Several sophisticated tools are also available for the structural analysis of macromolecules.

Abbreviations: PDBe

Synonyms: Protein DataBank Europe, Protein DataBank in Europe, PDBe, Protein Data Bank in Europe, Protein Data Bank Europe, Macromolecular Structure Database

Resource Type: service resource, database, data or information resource, storage service resource, data repository

Defining Citation: PMID:21045060, PMID:21460450, PMID:19858099

Keywords: x-ray, nmr, cryo-em, hybrid method, dna, protein, rna, sugar, ligand, virus, compound, fold, enzyme, 3d spatial image, structure, macromolecule, protein-protein interaction, gold standard, bio.tools

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CCP4

Resource Name: PDBe - Protein Data Bank in Europe

Resource ID: SCR_004312

Alternate IDs: biotools:pdbe, nlx_32372

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

Record Creation Time: 20220129T080223+0000

Record Last Update: 20250519T203324+0000

Ratings and Alerts

No rating or validation information has been found for PDBe - Protein Data Bank in Europe.

No alerts have been found for PDBe - Protein Data Bank in Europe.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 51 mentions in open access literature.

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

Iwamuro T, et al. (2024) Stability of N-type inactivation and the coupling between N-type and C-type inactivation in the Aplysia Kv1 channel. Pflugers Archiv : European journal of physiology, 476(10), 1493.

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Antolin AA, et al. (2021) Evolution of kinase polypharmacology across HSP90 drug discovery. Cell chemical biology, 28(10), 1433.

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Kolesnikova O, et al. (2018) Molecular structure of promoter-bound yeast TFIID. Nature communications, 9(1), 4666.

De Robertis M, et al. (2018) In Vivo Evaluation of a New Recombinant Hyaluronidase to Improve Gene Electro-Transfer Protocols for DNA-Based Drug Delivery against Cancer. Cancers, 10(11).

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Miller OK, et al. (2018) A new structural class of bacterial thioester domains reveals a slipknot topology. Protein science : a publication of the Protein Society, 27(9), 1651.

van Haren MJ, et al. (2018) The kinetic analysis of the N-methylation of 4-phenylpyridine by nicotinamide N-methyltransferase: Evidence for a novel mechanism of substrate inhibition. The international journal of biochemistry & cell biology, 98, 127.

Urresti S, et al. (2018) Structural studies of the unusual metal-ion site of the GH124 endoglucanase from Ruminiclostridium thermocellum. Acta crystallographica. Section F, Structural biology communications, 74(Pt 8), 496.