



Compact Identifiers by Identifiers.org and N2t.Net



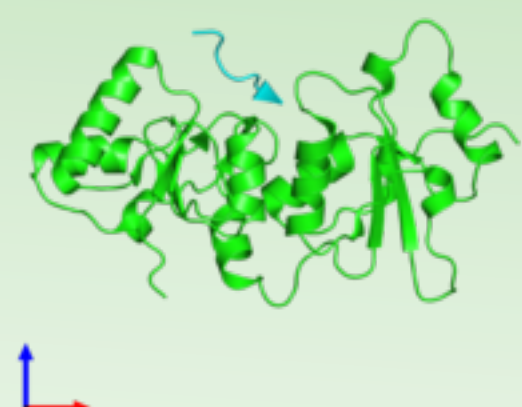
Towards *findable, accessible, interoperable* and *re-usable* (FAIR) data

Sarala M Wimalaratne, Manuel Bernal Llinares, John Kunze, Tim Clark and Henning Hermjakob

Compact Identifiers [1] support global unique identification of data objects. A Compact Identifier is a unique prefix indicating the assigning authority and a locally assigned accession number (prefix:accession).

Identify, cite and annotate your data using
Compact Identifiers.

ID Identify



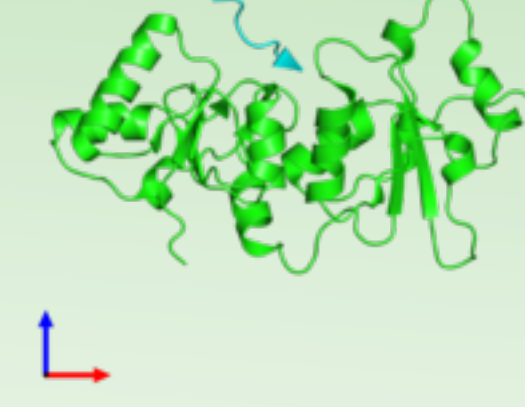
[pdb:4y2g](#)

Structure of BRCA1 BRCT domains in complex with Abraxas single phosphorylated peptide.

” Cite

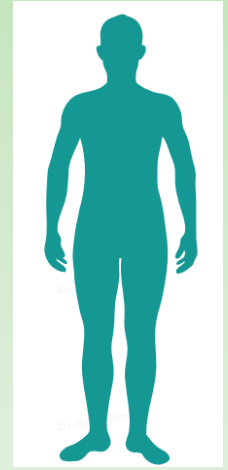
“ ... the protein we used ([pdb:4y2g](#)) in our tests ... ”

📍 Annotate



[pdb:4y2g](#)

Source
organism



[taxon:9606](#)

Compact Identifier Services

The Identifiers.org [2] and N2t.net systems provide a range of services to reference, resolve and validate persistent Compact Identifiers to promote the citability of individual data providers and integration with e-infrastructures.

Make your Compact Identifiers actionable through
[https://identifiers.org/\[prefix:accession\]](https://identifiers.org/[prefix:accession])
[https://n2t.net/\[prefix:accession\]](https://n2t.net/[prefix:accession])



Create Compact Identifiers

Create Compact Identifiers by requesting a prefix for a data resource (a set of named objects).

Request an identifier prefix

Please complete this form to register an identifier prefix that can be recognized by the meta-resolvers at [identifiers.org](#) and [n2t.net](#). Completing all fields will enable swift processing of your request.

*Required

Resource details

The 'resource' is the set of data that being provided, such as a database, photo archive, document repository, or ontology.

Register 'pdb' for Protein Databank
<https://identifiers.org/request/prefix>

Description

One or more sentences describing the resource. Example: The Protein Data Bank is the single worldwide archive of structural data of biological macromolecules.

Your answer



Resolve Compact Identifiers

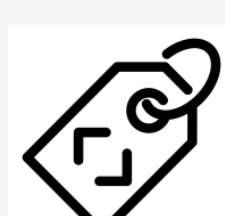
Actionable Compact Identifiers provide unique stable, resolvable and location-independent URIs to identify and locate data objects.

<http://www.ebi.ac.uk/pdbsum/4y2g>
<http://pdbe.org/structure/4y2g>
<https://identifiers.org/pdb:4y2g>
<https://n2t.net/pdb:4y2g>
<http://proteopedia.org/wiki/index.php/4y2g>
<http://www.pdbe.org/4y2g>

Identifiers.org Services



APIs to access the Registry content, find valid prefixes, identifiers and providers, and validate Compact Identifiers.



Metadata service for accessing Schema.org metadata provided by data providers.



SPARQL Endpoint [3] to perform conversions between different URI schemes recorded in the Registry.

References

1. Sarala M. Wimalaratne et al. *Uniform resolution of compact identifiers for biomedical data*. Sci. Data 5:180029 doi:10.1038/sdata.2018.29 (2018).
2. Juty, N., N. Le Novère, and C. Laibe, *Identifiers.org and MIRIAM Registry: community resources to provide persistent identification*. Nucleic Acids Res, 2012. **40**(Database issue): p. D580-6.
3. Wimalaratne, S.M., et al., *SPARQL-enabled identifier conversion with Identifiers.org*. Bioinformatics, 2015. **31**(11): p. 1875-7.

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SCIENTIFIC DATA



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