Conceptual Model of Proteins

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Description

The following conceptual model represents the knowledge associated to the protein domain, including protein-protein interactions, pathways, functionality, post translational modifications, and association with disease.

The concepts have been extracted from the UniProtKB database [1]. More information about the conceptualization process can be found in [2].

References:

[1] The UniProt Consortium, UniProt: a worldwide hub of protein knowledge, Nucleic Acids Research, Volume 47, Issue D1, 08 January 2019, Pages D506–D515, https://doi.org/10.1093/nar/gky1049 [2] León Palacio, A.; Pastor López, O. (2020). Conceptual Modeling of Proteins Based on UniProt. http://hdl.handle.net/10251/145619

[2] León, A.; Pastor, O. Towards a Shared, Conceptual Model-based Understanding of Proteins and Their Interactions, IEEE ACCESS, 2021, DOI: 10.1109/ACCESS.2021.3080040.