Resource Summary Report

Generated by NIF on May 20, 2025

Enzyme Mechanism Ontology

RRID:SCR_010315
Type: Tool

Proper Citation

Enzyme Mechanism Ontology (RRID:SCR_010315)

Resource Information

URL: http://purl.bioontology.org/ontology/EMO

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Description: Ontology to describe the active components of the enzyme"s reactions (cofactors, amino acid residues and cognate ligands) and their roles in the reaction. EMO builds upon this by formalizing key concepts, and the relationships between them, necessary to define enzymes and their functions. This describes not only the general features of an enzyme, including the EC number (catalytic activity), 3D structure and cellular locations, but also allows for the detailed annotation of the mechanism. This mechanistic detail can be either at a gross level (overall reaction only), or the more detailed granularity of the steps and components required to effect the overall chemical transformation.

Abbreviations: EMO

Resource Type: data or information resource, controlled vocabulary, ontology

Keywords: owl

Funding:

Resource Name: Enzyme Mechanism Ontology

Resource ID: SCR_010315

Alternate IDs: nlx_157397

Record Creation Time: 20220129T080257+0000

Record Last Update: 20250519T203607+0000

Ratings and Alerts

No rating or validation information has been found for Enzyme Mechanism Ontology.

No alerts have been found for Enzyme Mechanism Ontology.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Holliday GL, et al. (2020) A strategy for large-scale comparison of evolutionary- and reaction-based classifications of enzyme function. Database : the journal of biological databases and curation, 2020.