Resource Summary Report

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Enzyme Nomenclature

RRID:SCR_006583
Type: Tool

Proper Citation

Enzyme Nomenclature (RRID:SCR_006583)

Resource Information

URL: http://www.chem.qmul.ac.uk/iubmb/enzyme/

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Description: Recommendations of the Nomenclature Committee of the International Union of Biochemistry and Molecular Biology on the nomenclature and classification of enzymes by the reactions they catalyze. Also included are links to individual documents and advice is provided on how to suggest new enzymes for listing, or correction of existing entries. The common names of all listed enzymes are listed, along with their EC numbers. Where an enzyme has been deleted or transferred to another EC number, this information is also indicated. Each list is linked to either separate entries for each entry or to files with up to 50 enzymes in each file. A start has been made in showing the pathways in which enzymes participate. For other enzymes a glossary entry has been added which may be just a systematic name or a link to a graphic representation. The glossary from Enzyme Nomenclature, 1992 may also be consulted. This has been updated with subsequent glossary entries. Each enzyme entry has links to other databases. Enzyme Subclasses provide links to a list of sub-subclasses which in turn list the enzymes linked to separate files for each enzyme, or to a list as part of a file with up to 50 enzymes per file.

Abbreviations: Enzyme Nomenclature

Resource Type: narrative resource, service resource, database, standard specification, data set, storage service resource, data repository, international standard specification, data or information resource

Keywords: enzyme category, enzyme classification, enzyme nomenclature, enzyme reaction category, enzyme, classification, nomenclature, pathway, gold standard, FASEB list

Resource Name: Enzyme Nomenclature

Resource ID: SCR_006583

Alternate IDs: nif-0000-02804

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260728T043235+0000

Ratings and Alerts

No rating or validation information has been found for Enzyme Nomenclature.

No alerts have been found for Enzyme Nomenclature.

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 SPARC SAWG .

Bolger ME, et al. (2018) Plant genome and transcriptome annotations: from misconceptions to simple solutions. Briefings in bioinformatics, 19(3), 437.

Wittig U, et al. (2018) SABIO-RK: an updated resource for manually curated biochemical reaction kinetics. Nucleic acids research, 46(D1), D656.

Foerster H, et al. (2018) SolCyc: a database hub at the Sol Genomics Network (SGN) for the manual curation of metabolic networks in Solanum and Nicotiana specific databases. Database : the journal of biological databases and curation, 2018.

Carels N, et al. (2017) A Metagenomic Analysis of Bacterial Microbiota in the Digestive Tract of Triatomines. Bioinformatics and biology insights, 11, 1177932217733422.

Bari? I, et al. (2017) Consensus recommendations for the diagnosis, treatment and follow-up of inherited methylation disorders. Journal of inherited metabolic disease, 40(1), 5.

Piergiorge RM, et al. (2017) Functional Analogy in Human Metabolism: Enzymes with Different Biological Roles or Functional Redundancy? Genome biology and evolution, 9(6), 1624.

Bernardini A, et al. (2017) Genome-wide analysis shows that RNase G plays a global role in the stability of mRNAs in Stenotrophomonas maltophilia. Scientific reports, 7(1), 16016.

Ü Basmanav FB, et al. (2016) Mutations in Three Genes Encoding Proteins Involved in Hair Shaft Formation Cause Uncombable Hair Syndrome. American journal of human genetics, 99(6), 1292.

Ozelsancak R, et al. (2016) p.R301X Mutation and Variable Phenotypic Appearance of Fabry Disease. The American journal of case reports, 17, 315.

Arreola R, et al. (2016) Immunomodulatory Effects Mediated by Dopamine. Journal of immunology research, 2016, 3160486.

Kennedy H, et al. (2016) Sudden Cardiac Death Due to Deficiency of the Mitochondrial Inorganic Pyrophosphatase PPA2. American journal of human genetics, 99(3), 674.

Arreola R, et al. (2015) Immunomodulatory effects mediated by serotonin. Journal of immunology research, 2015, 354957.

Korku? P, et al. (2015) Physicochemical characteristics of structurally determined metabolite-protein and drug-protein binding events with respect to binding specificity. Frontiers in molecular biosciences, 2, 51.

Nagano N, et al. (2015) EzCatDB: the enzyme reaction database, 2015 update. Nucleic acids research, 43(Database issue), D453.

Palmer NA, et al. (2014) Contrasting metabolism in perenniating structures of upland and lowland switchgrass plants late in the growing season. PloS one, 9(8), e105138.

Díez-Municio M, et al. (2014) Synthesis of novel bioactive lactose-derived oligosaccharides by microbial glycoside hydrolases. Microbial biotechnology, 7(4), 315.

Sorokina M, et al. (2014) Profiling the orphan enzymes. Biology direct, 9, 10.

Lemmnitzer K, et al. (2014) Improvement of the digestibility of sulfated hyaluronans by bovine testicular hyaluronidase: a UV spectroscopic and mass spectrometric study. BioMed research international, 2014, 986594.

Stray-Pedersen A, et al. (2014) PGM3 mutations cause a congenital disorder of glycosylation with severe immunodeficiency and skeletal dysplasia. American journal of human genetics, 95(1), 96.

Paul A, et al. (2014) RNA-seq-mediated transcriptome analysis of actively growing and winter dormant shoots identifies non-deciduous habit of evergreen tree tea during winters. Scientific reports, 4, 5932.