Resource Summary Report

Generated by dkNET on May 19, 2025

ProP Server

RRID:SCR_014936
Type: Tool

Proper Citation

ProP Server (RRID:SCR_014936)

Resource Information

URL: http://www.cbs.dtu.dk/services/ProP/

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Description: Web application which predicts arginine and lysine propeptide cleavage sites in eukaryotic protein sequences using an ensemble of neural networks. Furin-specific prediction is the default. It is also possible to perform a general proprotein convertase prediction.

Synonyms: ProP, ProP 1.0 Server, ProP 1.0

Resource Type: software resource, web application

Defining Citation: DOI:10.1093/protein/gzh013

Keywords: web application, prediction, arginine, lysine, cleavage, propeptide, eukaryotic, protein, sequence, bio.tools

Funding:

Availability: Open source

Resource Name: ProP Server

Resource ID: SCR_014936

Alternate IDs: biotools:prop, BioTools:prop

Alternate URLs: https://bio.tools/prop, https://bio.tools/prop, https://bio.tools/prop

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250517T060152+0000

Ratings and Alerts

No rating or validation information has been found for ProP Server.

No alerts have been found for ProP Server.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 73 mentions in open access literature.

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

Meraj S, et al. (2024) A novel prolixicin identified in common bed bugs with activity against both bacteria and parasites. Scientific reports, 14(1), 13818.

Bertuccini L, et al. (2024) Unveiling Cryptosporidium parvum sporozoite-derived extracellular vesicles: profiling, origin, and protein composition. Frontiers in cellular and infection microbiology, 14, 1367359.

Li X, et al. (2024) Rhodopsin orphan GPCR20 interacts with neuropeptides and directs growth, sexual differentiation, and egg production in female Schistosoma mansoni. Microbiology spectrum, 12(1), e0219323.

Lenin KLD, et al. (2023) In silico molecular and functional characterization of a dual function antimicrobial peptide, hepcidin (GIFT-Hep), isolated from genetically improved farmed tilapia (GIFT, Oreochromis niloticus). Journal, genetic engineering & biotechnology, 21(1), 130.

García-Villalvazo PE, et al. (2023) Unveiling the Protein Components of the Secretory-Venom Gland and Venom of the Scorpion Centruroides possanii (Buthidae) through Omic Technologies. Toxins, 15(8).

Cadena-Caballero CE, et al. (2023) APGW/AKH Precursor from Rotifer Brachionus plicatilis and the DNA Loss Model Explain Evolutionary Trends of the Neuropeptide LWamide, APGWamide, RPCH, AKH, ACP, CRZ, and GnRH Families. Journal of molecular evolution, 91(6), 882.

Zhang Y, et al. (2022) A second functional furin site in the SARS-CoV-2 spike protein. Emerging microbes & infections, 11(1), 182.

Meraj S, et al. (2022) Characterization of New Defensin Antimicrobial Peptides and Their Expression in Bed Bugs in Response to Bacterial Ingestion and Injection. International journal of molecular sciences, 23(19).

Chen T, et al. (2022) Cloning, expression and function analysis of trehalose-6-phosphate synthase gene from Marsupenaeus japonicu. Gene, 808, 145971.

Athira PP, et al. (2022) A hepatic antimicrobial peptide, hepcidin from Indian major carp, Catla catla: molecular identification and functional characterization. Journal, genetic engineering & biotechnology, 20(1), 49.

Bevivino G, et al. (2021) Effects of Local and Systemic Immune Challenges on the Expression of Selected Salivary Genes in the Malaria Mosquito Anopheles coluzzii. Pathogens (Basel, Switzerland), 10(10).

Cadar D, et al. (2021) Genomic and Micro-Evolutionary Features of Mammalian 2 orthobornavirus (Variegated Squirrel Bornavirus 1, VSBV-1). Microorganisms, 9(6).

Neelima S, et al. (2021) Molecular characterization of a novel ?-defensin isoform from the red-toothed trigger fish, Odonus niger (Ruppel, 1836). Journal, genetic engineering & biotechnology, 19(1), 71.

Tang T, et al. (2021) Proteolytic Activation of SARS-CoV-2 Spike at the S1/S2 Boundary: Potential Role of Proteases beyond Furin. ACS infectious diseases, 7(2), 264.

Kovács HA, et al. (2021) Characterization of the Proprotein Convertase-Mediated Processing of Peroxidasin and Peroxidasin-like Protein. Antioxidants (Basel, Switzerland), 10(10).

Dulac A, et al. (2021) A Novel Neuron-Specific Regulator of the V-ATPase in Drosophila. eNeuro, 8(5).

Liu J, et al. (2021) A variant ECE1 allele contributes to reduced pathogenicity of Candida albicans during vulvovaginal candidiasis. PLoS pathogens, 17(9), e1009884.

Wang B, et al. (2021) LPXRFa and its receptor in yellowtail kingfish (Seriola lalandi): Molecular cloning, ontogenetic expression profiles, and stimulatory effects on growth hormone and gonadotropin gene expression. General and comparative endocrinology, 312, 113872.

Fan Y, et al. (2021) Subtyping Cryptosporidium xiaoi, a Common Pathogen in Sheep and Goats. Pathogens (Basel, Switzerland), 10(7).

Akuta T, et al. (2021) Development of a rapid scabies immunodiagnostic assay based on transcriptomic analysis of Sarcoptes scabiei var. nyctereutis. Scientific reports, 11(1), 6455.