

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 29, 2026

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: web application, software resource

Defining Citation: [DOI:10.1093/protein/gzh013](https://doi.org/10.1093/protein/gzh013)

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

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: 20260728T043446+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 75 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Giglio ML, et al. (2025) An N-Terminally Elongated Peptide From *Conus rolandi* Defines a New Class of Ribbon γ -Conotoxins Targeting Muscle nAChRs. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(12), e70698.

Xiao W, et al. (2025) Cathepsin L and transmembrane serine protease 11E mediate trypsin-independent entry of porcine deltacoronavirus into Huh7 cells. *Journal of virology*, 99(9), e0105525.

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 japonicus*. *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).

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).

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

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

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.