

Resource Summary Report

Generated by [Kravitz](#) on Sep 17, 2026

Mitoprot

RRID:SCR_019023

Type: Tool

Proper Citation

Mitoprot (RRID:SCR_019023)

Resource Information

URL: <https://ihg.gsf.de/ihg/mitoprot.html>

Proper Citation: Mitoprot (RRID:SCR_019023)

Description: Web server for prediction of mitochondrial targeting sequences.

Resource Type: data access protocol, simulation software, software application, software resource, web service

Keywords: Mitochondrial targeting sequence, sequence prediction, mitochondrial sequence, prediction

Availability: Free, Freely available

Resource Name: Mitoprot

Resource ID: SCR_019023

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260912T195909+0000

Ratings and Alerts

No rating or validation information has been found for Mitoprot.

No alerts have been found for Mitoprot.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Cho A, et al. (2026) Aerobic sister lineage of breviate has gene-rich mitochondrial genomes. *Current biology* : CB, 36(6), 1481.

Campos Y, et al. (2025) Mitochondrial proteostasis regulated by CRL5Ozz and Alix modulates skeletal muscle metabolism and fiber type. *Communications biology*, 9(1).

Kang MG, et al. (2025) Intracrystal space proteome mapping using super-resolution proximity labeling with isotope-coded probes. *Nature communications*, 16(1), 7757.

Liu X, et al. (2024) *Salmonella enterica* serovar Typhimurium remodels mitochondrial dynamics of macrophages via the T3SS effector SipA to promote intracellular proliferation. *Gut microbes*, 16(1), 2316932.

Calabrese C, et al. (2024) Mitochondrial translocation of TFEB regulates complex I and inflammation. *EMBO reports*, 25(2), 704.

Shrivastava D, et al. (2024) ATM1, an essential conserved transporter in Apicomplexa, bridges mitochondrial and cytosolic [Fe-S] biogenesis. *PLoS pathogens*, 20(9), e1012593.

Silva MF, et al. (2023) Functional and biochemical characterization of the *Toxoplasma gondii* succinate dehydrogenase complex. *PLoS pathogens*, 19(12), e1011867.

Cui Z, et al. (2023) Reconfiguration of the reductive TCA cycle enables high-level succinic acid production by *Yarrowia lipolytica*. *Nature communications*, 14(1), 8480.

Kahie MA, et al. (2023) Evolution and expression analysis of the caffeoyl-CoA 3-O-methyltransferase (CCoAOMT) gene family in jute (*Corchorus L.*). *BMC genomics*, 24(1), 204.

Aziz S, et al. (2022) Transcriptome Analyses in a Selected Gene Set Indicate Alternative Oxidase (AOX) and Early Enhanced Fermentation as Critical for Salinity Tolerance in Rice. *Plants (Basel, Switzerland)*, 11(16).

Shikha S, et al. (2022) Identification and Validation of *Toxoplasma gondii* Mitochondrial Large Subunit Components. *Microorganisms*, 10(5).

Boonyakida J, et al. (2021) Identification of antigenic domains and peptides from VP15 of white spot syndrome virus and their antiviral effects in *Marsupenaeus japonicus*. *Scientific reports*, 11(1), 12766.

Sharma N, et al. (2021) Mycobacterium tuberculosis Protein PE6 (Rv0335c), a Novel TLR4 Agonist, Evokes an Inflammatory Response and Modulates the Cell Death Pathways in Macrophages to Enhance Intracellular Survival. *Frontiers in immunology*, 12, 696491.

Song L, et al. (2021) Characterization and expression analysis of mitochondrial localization molecule: NOD-like receptor X1 (NlrX1) in mucosal tissues of turbot (*Scophthalmus maximus*) following bacterial challenge. *Developmental and comparative*

immunology, 116, 103944.

Choi M, et al. (2021) Mitochondrial Targeting of the Ammonia-Sensitive Uncoupler SLC4A11 by the Chaperone-Mediated Carrier Pathway in Corneal Endothelium. *Investigative ophthalmology & visual science*, 62(12), 4.

Pyrih J, et al. (2021) Vestiges of the Bacterial Signal Recognition Particle-Based Protein Targeting in Mitochondria. *Molecular biology and evolution*, 38(8), 3170.

Lucero RA, et al. (2021) Deletion of the natural inhibitory protein Inh1 in *Ustilago maydis* has no effect on the dimeric state of the F1FO-ATP synthase but increases the ATPase activity and reduces the stability. *Biochimica et biophysica acta. Bioenergetics*, 1862(7), 148429.

Pyrih J, et al. (2021) The iron-sulfur scaffold protein HCF101 unveils the complexity of organellar evolution in SAR, Haptista and Cryptista. *BMC ecology and evolution*, 21(1), 46.

Horváthová L, et al. (2021) Analysis of diverse eukaryotes suggests the existence of an ancestral mitochondrial apparatus derived from the bacterial type II secretion system. *Nature communications*, 12(1), 2947.

Peng GX, et al. (2021) The human tRNA taurine modification enzyme GTPBP3 is an active GTPase linked to mitochondrial diseases. *Nucleic acids research*, 49(5), 2816.