

Resource Summary Report

Generated by [ASWG](#) on Sep 19, 2026

TargetP

RRID:SCR_019022

Type: Tool

Proper Citation

TargetP (RRID:SCR_019022)

Resource Information

URL: <http://www.cbs.dtu.dk/services/TargetP/>

Proper Citation: TargetP (RRID:SCR_019022)

Description: Web server predicts presence of N-terminal presequences: signal peptide (SP), mitochondrial transit peptide (mTP), chloroplast transit peptide (cTP) or thylakoid luminal transit peptide (luTP). Predicts potential cleavage site for sequences predicted to contain N-terminal presequence.

Synonyms: TargetP-2.0 Server

Resource Type: analysis service resource, data access protocol, production service resource, service resource, software resource, web service

Keywords: N-terminal sequence prediction, presequence, signal peptide, mitochondrial transit peptide,

Availability: Free, Freely available

Resource Name: TargetP

Resource ID: SCR_019022

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260919T195402+0000

Ratings and Alerts

No rating or validation information has been found for TargetP.

No alerts have been found for TargetP.

Data and Source Information

Usage and Citation Metrics

We found 255 mentions in open access literature.

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

Wei L, et al. (2026) Mycosporine-like Amino Acids Biosynthesis in *Asterarcys* sp. Driving by Phosphorus Limitation: Evidence from Physiological and Transcriptomic Analyses. *Marine drugs*, 24(5).

Huang Q, et al. (2026) Characterization and Expression of Two Cytoplasmic Phosphoenolpyruvate Carboxykinase Genes Associated with Larval Diapause and Temperature Stress in the Wheat Blossom Midge, *Sitodiplosis mosellana*. *Biology*, 15(2).

Liu Y, et al. (2025) Genome-wide identification and expression analysis of glutaredoxin in *Puccinellia tenuiflora* under salinity stress. *BMC plant biology*, 25(1), 605.

Wu M, et al. (2025) Genome-wide analysis of Rf-PPR-like genes in *Nicotiana tabacum* and their potential roles in anther development. *Frontiers in plant science*, 16, 1591130.

Li J, et al. (2025) Effector Pt31812 from *Puccinia triticina* acts as avirulence factor for Lr42-mediated resistance in wheat. *Frontiers in microbiology*, 16, 1570072.

Milferstaedt SWL, et al. (2025) Differential GTP-dependent in-vitro polymerization of recombinant *Physcomitrella* FtsZ proteins. *Scientific reports*, 15(1), 3095.

Teshima T, et al. (2025) Branched-chain amino acid catabolism initiates volatile synthesis in *Gentiana triflora*. *Planta*, 262(3), 62.

Li X, et al. (2025) Characterization of the Soybean GPAT Gene Family Identifies GmGPAT1 as a Key Protein in Salt Stress Tolerance. *Plants (Basel, Switzerland)*, 14(18).

Li R, et al. (2025) Calcium-sensing receptor AcCaS regulates chloroplast immunity in kiwifruit by competitively binding with Ca²⁺ or the Psa effector. *Horticulture research*, 12(12), uhaf230.

De Coninck T, et al. (2025) OsAPSE modulates non-covalent interactions between arabinogalactan protein O-glycans and pectin in rice cell walls. *Frontiers in plant science*, 16, 1588802.

Guo J, et al. (2025) Molecular identification of a thioredoxin peroxidase in *Babesia gibsoni* with potential against oxidative stress. *Parasitology research*, 124(3), 28.

Jiao J, et al. (2025) Genome-wide characterization of effector proteins in *Fusarium zanthoxyli* and their effects on plant's innate immunity responses. *BMC plant biology*, 25(1), 298.

Mikitova V, et al. (2025) Complex transcription regulation of acidic chitinase suggests fine-tuning of digestive processes in *Drosera binata*. *Planta*, 261(2), 32.

Zhu Z, et al. (2025) Principles of cotranslational mitochondrial protein import. *Cell*.

Liu X, et al. (2025) A Dual-localized Fructose Bisphosphate Aldolase is Essential for Chloroplast Development and Carbon Metabolism in Rice. *Rice (New York, N.Y.)*, 18(1), 28.

Kumar V, et al. (2025) Deciphering the role of monoacylglycerol lipases (MAGL) under abiotic stress and lipid metabolism in soybean (*Glycine max L.*). *Plant biotechnology journal*, 23(10), 4318.

Asadi S, et al. (2025) Exploring effector candidates in *Rhynchosporium commune*: insights into their expression dynamics during barley infection. *Scientific reports*, 15(1), 17667.

Narv??ez I, et al. (2025) Molecular characterization of homogentisate phytyltransferase and methylphytylbenzoquinol methyltransferase genes from olive fruit with regard to the tocopherol content and the response to abiotic stresses. *Frontiers in plant science*, 16, 1526815.

Terpis KX, et al. (2025) Multiple plastid losses within photosynthetic stramenopiles revealed by comprehensive phylogenomics. *Current biology : CB*, 35(3), 483.

Pan C, et al. (2024) Proteomic Analysis of Salivary Secretions from the Tea Green Leafhopper, *Empoasca flavescens* Fabrecius. *Insects*, 15(4).