

Resource Summary Report

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MaxQuant

RRID:SCR_014485

Type: Tool

Proper Citation

MaxQuant (RRID:SCR_014485)

Resource Information

URL: <http://www.biochem.mpg.de/5111795/maxquant>

Proper Citation: MaxQuant (RRID:SCR_014485)

Description: A quantitative proteomics software package for analyzing large-scale mass-spectrometric data sets. It is a set of algorithms that include peak detection and scoring of peptides, mass calibration, database searches for protein identification, protein quantification, and provides summary statistics.

Resource Type: data processing software, software application, data analysis software, software resource

Defining Citation: [PMID:19029910](#), [PMID:25059623](#)

Keywords: mass spectrometry analysis software, proteomics software, mass calibration, protein identification, protein quantification, FASEB list

Resource Name: MaxQuant

Resource ID: SCR_014485

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260731T042921+0000

Ratings and Alerts

No rating or validation information has been found for MaxQuant.

No alerts have been found for MaxQuant.

Data and Source Information

Usage and Citation Metrics

We found 12462 mentions in open access literature.

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

Daniele LL, et al. (2026) Selective deletion of Slc2a1 from the RPE reveals that rods but not cones depend on glucose transport across the outer blood-retinal barrier. *iScience*, 29(1), 114450.

Indeglia A, et al. (2026) Protocol for identification of protein citrullination by immunoprecipitation followed by mass spectrometry. *STAR protocols*, 7(1), 104326.

Özel C, et al. (2026) Mitochondrial integrity modulates mTOR signaling and podocyte function. *iScience*, 29(1), 114279.

Saini P, et al. (2026) Targeting Interactions Between Siglec-10 and $\alpha 5 \beta 1$ Integrin Enhances Macrophage-Mediated Phagocytosis of Pancreatic Cancer. *Cancer research*, 86(1), 99.

Park YJ, et al. (2026) Spatiotemporal translation of sperm acrosome associated proteins during early capacitation modulates sperm fertilizing ability. *Journal of advanced research*, 79, 313.

Chanpichai R, et al. (2026) Salivary proteomics in patients with fixed orthodontic appliances and Invisalign treatment. *International dental journal*, 76(1), 103971.

Minchaca AZ, et al. (2026) Surface Proteomic Analysis Reveals the Presence of Noncanonical Cell Membrane Endoplasmic Reticulum Chaperones in High-Grade Gliomas. *Journal of proteome research*, 25(1), 169.

Tominaga T, et al. (2026) OmpA_C-Like Domain of PorE Is Essential for PorE Function in the Type IX Secretion System (T9SS) of *Porphyromonas gingivalis* and Some T9SS Cargo Proteins Are Secreted in a PorE-Independent Manner. *Microbiology and immunology*, 70(1), 15.

Akbar H, et al. (2026) Integrated transcriptomics, proteomics, and pathway enrichment analysis in the spleen and skin of chickens reveal tissue-specific roles for the Marek's disease virus conserved herpesvirus protein kinase. *Poultry science*, 105(1), 106113.

Lu H, et al. (2026) Exploring the interplay between protein conformational changes and phosphorylation in a pancreatic cancer cell and stellate cell coculture system. *Proceedings of the National Academy of Sciences of the United States of America*, 123(1), e2511839122.

Thoms HC, et al. (2026) Loss of p62 Binding Allows TIF-IA Accumulation in Senescence, Which Promotes Phenotypic Changes to Nucleoli and the Senescence Associated Secretory Phenotype. *Aging cell*, 25(1), e70334.

Wu K, et al. (2026) Deciphering the role of ThHSF1 in the differential expression regulation of laccase isozymes in the white-rot fungus *Trametes hirsuta*. *Microbiology spectrum*, 14(1), e0100425.

Petkovic M, et al. (2026) Improved wound healing by dual inhibition of miR-146a-5p and miR-29a-3p supports a network action of dysregulated miRNAs in diabetic skin. *Diabetologia*, 69(1), 214.

Seifert S, et al. (2026) A step-by-step guide to performing cancer metabolism research using custom-made media. *Life science alliance*, 9(2).

Wang C, et al. (2026) LPS-induced structural reorganization and polymerization drive noncanonical inflammasome activation. *Science advances*, 12(1), eadz4623.

Lund VK, et al. (2026) A Syd and RUFY dynein adaptor complex mediates axonal circulation of dense core vesicles. *The Journal of cell biology*, 225(3).

Ma X, et al. (2026) ARL5B Drives Esophageal Squamous Cell Carcinoma Progression via ROCK1-SREBP1-Mediated Lipid Metabolic Reprogramming. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e12895.

Zhou LH, et al. (2026) HMGB2 Promotes Cardiomyocyte Proliferation and Heart Regeneration Through MTA2-Driven Metabolic Reprogramming. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e05820.

Thomas WR, et al. (2026) Dynamic metabolic and molecular changes during seasonal shrinking in *Sorex araneus*. *Genome research*, 36(1), 61.

Maurstad MF, et al. (2026) The green lacewing venom system and the complex mechanisms underlying its evolution. *Molecular biology and evolution*, 43(1).