

Resource Summary Report

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ProteinPilot

RRID:SCR_024414

Type: Tool

Proper Citation

ProteinPilot (RRID:SCR_024414)

Resource Information

URL: <https://sciex.com/products/software/proteinpilot-software>

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Description: Software tool for protein identification and protein expression analysis. Used to identify proteins and search large numbers of post translational modifications, without increasing search time or false positives. Compatible with all proteomics MS/MS systems.

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

Keywords: protein identification, protein expression analysis, post translational modification search,

Availability: Restricted

Resource Name: ProteinPilot

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Alternate URLs: <https://sciex.com/content/dam/SCIEX/pdf/posters/ProteinPilot-Software-Overview.pdf>

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Ratings and Alerts

No rating or validation information has been found for ProteinPilot.

No alerts have been found for ProteinPilot.

Data and Source Information

Usage and Citation Metrics

We found 265 mentions in open access literature.

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

Palacios-Ferrer R, et al. (2026) Redirecting linear hydrocarbon metabolism toward polyhydroxyalkanoate biosynthesis. *Microbial cell factories*, 25(1), 45.

Gardella-García CE, et al. (2026) A Preliminary proteomics-based assessment of biotic indicators in Central Mexican water bodies biotic indicators by proteomics in Mexican water bodies. *PloS one*, 21(2), e0342705.

Du W, et al. (2026) Blue light regulates conidia production in *Shiraia bambusicola* via calcium/calmodulin signaling. *AMB Express*, 16(1).

Macur K, et al. (2026) A label-free microLC-SWATH-MS methodology with immunoaffinity depletion of highly abundant serum proteins for quantitative proteomic comparison of fresh-frozen human normal breast tissue and tumor clinical specimens. *Frontiers in molecular biosciences*, 13, 1739472.

Makiyama T, et al. (2026) NEK2A regulates PLIN2 expression through a SERBP1 dependent pathway. *iScience*, 29(6), 116254.

WalyEldeen AA, et al. (2026) Plasma small-extracellular vesicles' proteomic signature in neoadjuvant chemotherapy-naïve breast cancer patients. *PloS one*, 21(5), e0348500.

Ahmed T, et al. (2026) Proteomic Evidence Indicates Ultrasound-Assisted Extraction Enhances Recovery of Membrane-Associated Proteins in *Hericium erinaceus*. *Journal of agricultural and food chemistry*, 74(22), 17627.

Salem D, et al. (2026) Unveiling the antifungal arsenal: proteomic profiling of tomato exosomes. *Planta*, 264(2).

Garaeva F, et al. (2026) Ataxin-2 as a candidate blood biomarker for estimating disease status in cases of suspected glioblastoma recurrence. *Brain tumor pathology*, 43(2), 43.

Yang H, et al. (2026) Novel imidazotetrazine derivatives overcome temozolomide resistance in glioblastoma by inducing ferroptosis and apoptosis. *Cell death discovery*, 12(1), 14.

Paterson ESJ, et al. (2026) Proteomic Analysis of Cervicovaginal Fluid for Diagnostic Endometriosis Biomarker Discovery. *Proteomics. Clinical applications*, 20(3), e70044.

Kadowaki H, et al. (2026) Sec61 γ maintains cytoplasmic proteostasis via ARIH1-mediated translational repression upon ER stress. *EMBO reports*, 27(4), 1057.

Jen FE, et al. (2026) Discovery of Ionophoroantibiotics as a New Antibiotic Class Targeting Metal Homeostasis in Multidrug-Resistant *Neisseria gonorrhoeae*. *ACS*

infectious diseases, 12(1), 276.

Pita-Vilar M, et al. (2026) Growth Hormone-Loaded 3D Printed Silk Fibroin-Cellulose Dressings for Ischemic Wounds. *Advanced healthcare materials*, 15(5), e02969.

Dong J, et al. (2026) Cartilage intermediate layer protein inhibits ligamentum flavum hypertrophy mediated by TGF- β 1/SMAD3/SERPINE2 signaling pathway. *Cellular and molecular life sciences : CMLS*, 83(1), 108.

Kobiela A, et al. (2026) Remodeling of the cell membrane-associated protein pool affects adhesive membrane properties in filaggrin insufficient keratinocytes and impacts distinct cellular and organellar functions. *BMC biology*, 24(1), 30.

Zhuang H, et al. (2026) Knockdown of Ddx3x in mPFC induces autistic-like phenotype in mice via altered synaptic plasticity. *Translational psychiatry*, 16(1).

Fauconnier A, et al. (2026) Dual regulatory role of IS91-encoded Orf121 in IS91 transposition. *Communications biology*, 9(1).

Mtimka S, et al. (2026) Exploring the Antimicrobial Potential of a Novel Phage-Derived Lytic Protein Against *Pseudomonas aeruginosa*. *Current issues in molecular biology*, 48(3).

Gilson M, et al. (2026) Fundamental aspects of sucrose metabolism reveal a trophic link between *Rhodospirillum rubrum* and *Rhodobacter capsulatus*. *mBio*, 17(3), e0371725.