

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>

Proper Citation: ProteinPilot (RRID:SCR_024414)

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, software application, software resource, data processing software

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

Funding:

Availability: Restricted

Resource Name: ProteinPilot

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

Record Creation Time: 20230913T050234+0000

Record Last Update: 20250412T060701+0000

Ratings and Alerts

No rating or validation information has been found for ProteinPilot.

No alerts have been found for ProteinPilot.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 153 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Adim H, et al. (2025) iTRAQ-based quantitative proteomic analysis of herbicide stress in *Avena ludoviciana* Durieu. *Scientific reports*, 15(1), 577.

Blanco-Pintos T, et al. (2025) Diagnostic Accuracy of Novel Protein Biomarkers in Saliva to Detect Periodontitis Using Untargeted 'SWATH' Mass Spectrometry. *Journal of clinical periodontology*, 52(2), 199.

Freitas-Ribeiro S, et al. (2025) Cryogenic, but not hypothermic, preservation disrupts the extracellular matrix of cell sheets. *Bioactive materials*, 46, 301.

Serrat J, et al. (2025) Binding and cleavage of pro-urokinase by a tegument extract of *Fasciola hepatica* newly excysted juveniles activate the host fibrinolytic system. *Veterinary research*, 56(1), 20.

Bastola S, et al. (2025) Endothelial-secreted Endocan activates PDGFRA and regulates vascularity and spatial phenotype in glioblastoma. *Nature communications*, 16(1), 471.

Hussain M, et al. (2025) Interaction of the *Wolbachia* surface protein with a novel pro-viral protein from *Aedes aegypti*. *mBio*, 16(1), e0148624.

Wu F, et al. (2025) A multiprotein regulatory module, MED16-MBR1&2, controls MED25 homeostasis during jasmonate signaling. *Nature communications*, 16(1), 772.

Wang Y, et al. (2025) Transcriptomic and proteomic analysis reveals the mechanism of chicken cecum response to *Salmonella enterica* serovar Enteritidis inoculation. *iScience*, 28(1), 111571.

Qiu R, et al. (2025) AAV2-PDE6B restores retinal structure and function in the retinal degeneration 10 mouse model of retinitis pigmentosa by promoting phototransduction and inhibiting apoptosis. *Neural regeneration research*, 20(8), 2408.

Schneeweis A, et al. (2025) Mass spectrometry identifies tau C-terminal phosphorylation cluster during neuronal hyperexcitation. *Journal of neurochemistry*, 169(1), e16221.

Luna-Nophal A, et al. (2025) Preclinical Efficacy and Proteomic Prediction of Molecular Targets for s-cal14.1b and s-cal14.2b Conotoxins with Antitumor Capacity in Xenografts of Malignant Pleural Mesothelioma. *Marine drugs*, 23(1).

Chen W, et al. (2024) Exosome-derived tRNA fragments tRF-GluCTC-0005 promotes pancreatic cancer liver metastasis by activating hepatic stellate cells. *Cell death & disease*, 15(1), 102.

Domínguez-Lobo MT, et al. (2024) Double blocking of carbon metabolism causes a large increase of Calvin-Benson cycle compounds in cyanobacteria. *Plant physiology*, 195(2), 1491.

Chen X, et al. (2024) Small extracellular vesicles from young plasma reverse age-related functional declines by improving mitochondrial energy metabolism. *Nature aging*, 4(6), 814.

Tuomivaara ST, et al. (2024) Fluoride-related changes in the fetal cord blood proteome; a pilot study. *Environmental health : a global access science source*, 23(1), 66.

Chu Z, et al. (2024) Terpene extract from the stem of *Celastrus orbiculatus* inhibits actin cytoskeleton remodelling in gastric cancer cells by regulating the protein interaction between PTBP1 and ACTN4. *Journal of pharmaceutical analysis*, 14(8), 101021.

Shender VO, et al. (2024) Therapy-induced secretion of spliceosomal components mediates pro-survival crosstalk between ovarian cancer cells. *Nature communications*, 15(1), 5237.

Kadonosawa Y, et al. (2024) Overexpression of carbonyl reductase 1 in ovarian cancer cells suppresses proliferation and activates the eIF2 signaling pathway. *Oncology letters*, 28(2), 359.

Lv L, et al. (2024) Inhibition of ABI2 ubiquitination-dependent degradation suppresses TNBC cell growth via down-regulating PI3K/Akt signaling pathway. *Cancer cell international*, 24(1), 222.

Netherton JK, et al. (2024) The role of HnrnpF/H as a driver of oligoteratozoospermia. *iScience*, 27(7), 110198.