

Resource Summary Report

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Skyline

RRID:SCR_014080

Type: Tool

Proper Citation

Skyline (RRID:SCR_014080)

Resource Information

URL: <https://skyline.gs.washington.edu/labkey/project/home/software/Skyline/begin.view>

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Description: Software tool as Windows client application for targeted proteomics method creation and quantitative data analysis. Open source document editor for creating and analyzing targeted proteomics experiments. Used for large scale quantitative mass spectrometry studies in life sciences.

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

Defining Citation: [PMID:20147306](#)

Keywords: Proteomics, SRM, MRM, DDA, DIA, shotgun, mass, spectrometry, data, analysis, quantitative

Funding: NCI U24 CA126479;
NIDDK R01 DK069386;
NCRR P41 RR011823;
NIA P30 AG013280;
NHLBI R01 HL082747

Availability: Free, Available for download, Freely available

Resource Name: Skyline

Resource ID: SCR_014080

License: Apache 2.0

Record Creation Time: 20220129T080318+0000

Record Last Update: 20260731T042903+0000

Ratings and Alerts

No rating or validation information has been found for Skyline.

No alerts have been found for Skyline.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2805 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Cox M, et al. (2026) Effects of short-term exercise on plasma metabolic and lipidomic profiles of individuals with type 2 diabetes. *Experimental physiology*, 111(1), 69.

Venkatasubramani AV, et al. (2026) Chameau (HBO1) regulates starvation resistance in *Drosophila melanogaster* in a temperature-dependent manner. *Life science alliance*, 9(1).

Bi R, et al. (2026) Integrin inhibition facilitates fibrocartilaginous transformation in connective tissue in osteoarthritis. *Science advances*, 12(1), eady4112.

Norden PR, et al. (2026) Mitochondrial phosphopantetheinylation is required for oxidative metabolism. *Metabolism: clinical and experimental*, 174, 156413.

Nayak S, et al. (2026) Discovery of BMS-986365, a First-in-Class Dual Androgen Receptor Ligand-Directed Degradar and Antagonist, for the Treatment of Advanced Prostate Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(1), 224.

Kilroe SP, et al. (2025) Human skeletal muscle disuse atrophy has profound and negative effects on the muscle metabolome and lipidome. *American journal of physiology. Endocrinology and metabolism*, 328(6), E962.

Lin C, et al. (2025) Cholesterol metabolism regulated by CAMKK2-CREB signaling promotes castration-resistant prostate cancer. *Cell reports*, 44(6), 115792.

Wang J, et al. (2025) Integrative proteomic profiling of tumor and plasma extracellular vesicles identifies a diagnostic biomarker panel for colorectal cancer. *Cell reports. Medicine*, 6(5), 102090.

Mitra T, et al. (2025) MEK-dependent bioenergetic demand drives terminal CD8 + T cell exhaustion. *bioRxiv : the preprint server for biology*.

Khan A, et al. (2025) Machine-learning-guided discovery of SLC25A45 as a mediator of mitochondrial methylated amino acid import and carnitine synthesis. *Cell metabolism*, 37(11), 2220.

Huang Y, et al. (2025) Paracetamol, its metabolites, and their transfer between maternal circulation and fetal brain in mono- and combination therapies. *Pharmacological reports* : PR, 77(2), 474.

Kalenta H, et al. (2025) Constitutively active mTORC1 signaling modifies the skeletal muscle metabolome and lipidome response to exercise. *Journal of applied physiology* (Bethesda, Md. : 1985), 138(5), 1173.

Li F, et al. (2025) Phosphoproteomics profiling of sorafenib-resistant hepatocellular carcinoma patient-derived xenografts reveals potential therapeutic strategies. *iScience*, 28(1), 111657.

Yeh HW, et al. (2025) Mitochondrial glutathione import enables breast cancer metastasis via integrated stress response signaling. *Cancer discovery*.

Heath H, et al. (2025) Multiomic Analysis Links Neighborhood Disadvantage to Inflammatory Proteins and Tumorigenic Markers in ER+ Breast Cancer Plasma and Tumor Samples. *Journal of proteome research*.

Cui Y, et al. (2025) Quantitative Cell Type-Specific Immunopeptidome Analysis of Macrophage and Tumor Coevolution Reveals Therapeutic MHC-I Peptides in Glioblastoma. *Cancer research*, 85(24), 4958.

Huang Y, et al. (2025) Lipid profiling identifies modifiable signatures of cardiometabolic risk in children and adolescents with obesity. *Nature medicine*, 31(1), 294.

Badten AJ, et al. (2025) Evaluation of highly conserved *Burkholderia pseudomallei* outer membrane proteins as protective antigens against respiratory melioidosis. *NPJ vaccines*, 10(1), 186.

Czajkowska A, et al. (2025) The impact of exercise on skeletal muscle proteome of prediabetic subjects analyzed with data independent mass spectrometry. *Scientific reports*, 15(1), 28988.

Mitsa G, et al. (2025) Clinical Proteomics Reveals Vulnerabilities in Noninvasive Breast Ductal Carcinoma and Drives Personalized Treatment Strategies. *Cancer research communications*, 5(1), 138.