Resource Summary Report

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PMI-Byonic

RRID:SCR_016735
Type: Tool

Proper Citation

PMI-Byonic (RRID:SCR_016735)

Resource Information

URL: https://www.proteinmetrics.com/products/byonic/

Proper Citation: PMI-Byonic (RRID:SCR_016735)

Description: Software package for advanced peptide and protein identification by tandem mass spectrometry. Allows to define unlimited number of variable modification type and allows the user to set a separate limit on the number of occurrences of each modification type.

Abbreviations: Byonic

Synonyms: Protein Metrics Inc. Byonic, PMI-Byonic, PMI Byonic, Byonic

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

Defining Citation: PMID:23255153

Keywords: Byonic, Protein Metrics Inc., peptide, protein, identification, mass, spectrometry

Funding Agency: NIGMS

Availability: Commercially available

Resource Name: PMI-Byonic

Resource ID: SCR_016735

Ratings and Alerts

No rating or validation information has been found for PMI-Byonic.

No alerts have been found for PMI-Byonic.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Trbojevi?-Akma?i? I, et al. (2022) High-Throughput Glycomic Methods. Chemical reviews, 122(20), 15865.

Wu H, et al. (2022) A photo-cross-linking GlcNAc analog enables covalent capture of N-linked glycoprotein-binding partners on the cell surface. Cell chemical biology, 29(1), 84.

Brouwer PJM, et al. (2022) Lassa virus glycoprotein nanoparticles elicit neutralizing antibody responses and protection. Cell host & microbe, 30(12), 1759.

Zhang H, et al. (2021) Mediator structure and conformation change. Molecular cell, 81(8), 1781.

van Dorp S, et al. (2021) Conformational dynamics of auto-inhibition in the ER calcium sensor STIM1. eLife, 10.

Zhao P, et al. (2020) Virus-Receptor Interactions of Glycosylated SARS-CoV-2 Spike and Human ACE2 Receptor. Cell host & microbe, 28(4), 586.

Valencia-Hernandez AM, et al. (2020) A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver TRM Cell-Mediated Immunity against Malaria in Mice. Cell host & microbe, 27(6), 950.

Tullett KM, et al. (2020) RNF41 regulates the damage recognition receptor Clec9A and antigen cross-presentation in mouse dendritic cells. eLife, 9.

Yao H, et al. (2020) Molecular Architecture of the SARS-CoV-2 Virus. Cell, 183(3), 730.

Rosenbalm KE, et al. (2020) Glycomics-informed glycoproteomic analysis of site-specific glycosylation for SARS-CoV-2 spike protein. STAR protocols, 1(3), 100214.

Seabright GE, et al. (2020) Networks of HIV-1 Envelope Glycans Maintain Antibody Epitopes in the Face of Glycan Additions and Deletions. Structure (London, England : 1993), 28(8), 897.

Dubrovskaya V, et al. (2019) Vaccination with Glycan-Modified HIV NFL Envelope Trimer-Liposomes Elicits Broadly Neutralizing Antibodies to Multiple Sites of Vulnerability. Immunity, 51(5), 915.

Sberro H, et al. (2019) Large-Scale Analyses of Human Microbiomes Reveal Thousands of Small, Novel Genes. Cell, 178(5), 1245.

Bublitz DC, et al. (2019) Peptidoglycan Production by an Insect-Bacterial Mosaic. Cell, 179(3), 703.

Walls AC, et al. (2019) Unexpected Receptor Functional Mimicry Elucidates Activation of Coronavirus Fusion. Cell, 176(5), 1026.

Li CG, et al. (2019) PPAR? Interaction with UBR5/ATMIN Promotes DNA Repair to Maintain Endothelial Homeostasis. Cell reports, 26(5), 1333.

Borst AJ, et al. (2018) Germline VRC01 antibody recognition of a modified clade C HIV-1 envelope trimer and a glycosylated HIV-1 gp120 core. eLife, 7.