

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 17, 2026

Mspire-Simulator

RRID:SCR_001431

Type: Tool

Proper Citation

Mspire-Simulator (RRID:SCR_001431)

Resource Information

URL: <https://github.com/princelab/mspire-simulator>

Proper Citation: Mspire-Simulator (RRID:SCR_001431)

Description: A free, open-source shotgun proteomic simulator that goes beyond previous simulation attempts by generating LC-MS features with realistic m/z and intensity variance along with other noise components.

Resource Type: simulation software, software application, software resource, standalone software

Defining Citation: [PMID:24090032](#)

Keywords: standalone software, shotgun, proteomic, simulation software, bio.tools

Availability: Free, Freely Available

Resource Name: Mspire-Simulator

Resource ID: SCR_001431

Alternate IDs: biotools:mspire-simulator, OMICS_03359

Alternate URLs: <https://bio.tools/mspire-simulator>

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260912T200052+0000

Ratings and Alerts

No rating or validation information has been found for Mspire-Simulator.

No alerts have been found for Mspire-Simulator.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Mariappan MM, et al. (2012) Signaling mechanisms in the regulation of renal matrix metabolism in diabetes. Experimental diabetes research, 2012, 749812.