**MitoMiner**

**RRID:** SCR_001368  
**Type:** Tool

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**Proper Citation**

MitoMiner (RRID:SCR_001368)

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**Resource Information**

**URL:** [http://mitominer.mrc-mbu.cam.ac.uk/](http://mitominer.mrc-mbu.cam.ac.uk/)

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**Description:** A database of mitochondrial proteomics data. It includes two sets of proteins: the MitoMiner Reference Set, which has 10477 proteins from 12 species; and MitoCarta, which has 2909 proteins from mouse and human mitochondrial proteins. MitoMiner provides annotation from the Gene Ontology (GO) and UniProt databases. This reference set contains all proteins that are annotated by either of these resources as mitochondrial in any of the species included in MitoMiner. MitoMiner data is available via Application Programming Interface (API). The client libraries are provided in Perl, Python, Ruby and Java.

**Synonyms:** MitoMiner - A database of the mitochondrial proteome

**Resource Type:** data or information resource, database

**Defining Citation:** [PMID:22121219, PMID:19208617](https://www.ncbi.nlm.nih.gov/pubmed/

**Keywords:** mitochondrion, proteomics, function, homolog, proteome, protein expression, mass-spectrometry, protein, metabolism, green fluorescent protein tag, ortholog, FASEB list

**Funding Agency:** MRC

**Availability:** Public, Acknowledgement requested, Code:; GNU Lesser General Public License

**Resource Name:** MitoMiner

**Resource ID:** SCR_001368
Alternate IDs: nlx_152504

Ratings and Alerts

No rating or validation information has been found for MitoMiner.

No alerts have been found for MitoMiner.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 61 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.


Smith AJ, et al. (2022) GATD3A, a mitochondrial deglycase with evolutionary origins from gammaproteobacteria, restricts the formation of advanced glycation end products. BMC biology, 20(1), 68.


Qu JH, et al. (2022) Proteomic Landscape and Deduced Functions of the Cardiac 14-3-3 Protein Interactome. Cells, 11(21).

van der Kolk BW, et al. (2021) Differential Mitochondrial Gene Expression in Adipose Tissue
Following Weight Loss Induced by Diet or Bariatric Surgery. The Journal of clinical endocrinology and metabolism, 106(5), 1312-1324.

Pinel A, et al. (2021) Adipose Tissue Dysfunctions in Response to an Obesogenic Diet Are Reduced in Mice after Transgenerational Supplementation with Omega 3 Fatty Acids. Metabolites, 11(12).


