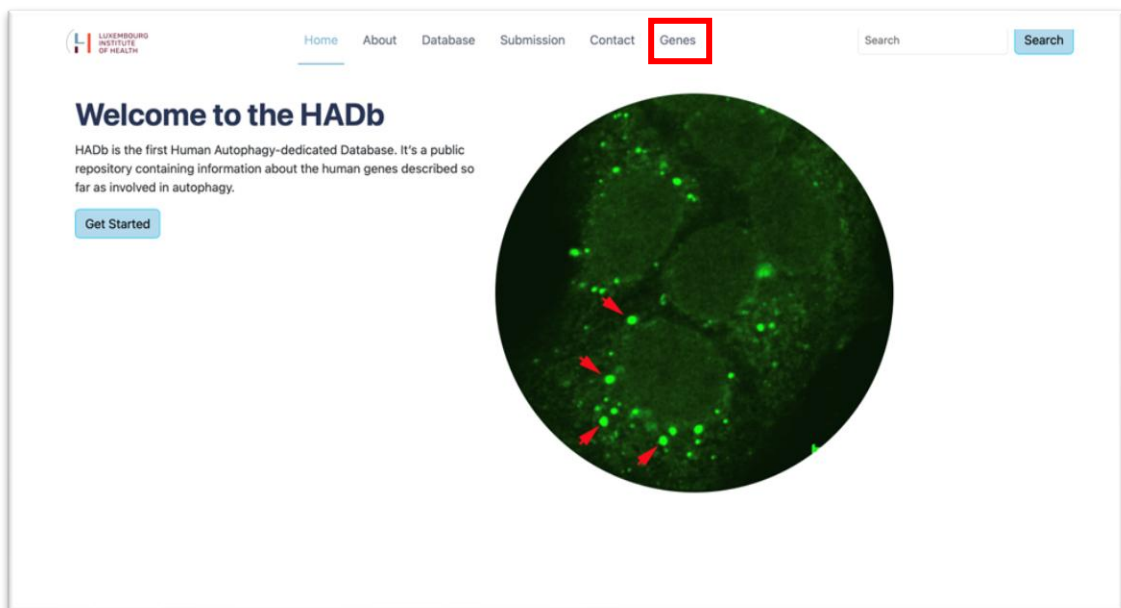


HADB (Human Autophagy Database)

- **File name:** HADB.csv
- **Download Date:** 11/06/2025
- **DB Version:** NA
- **Procedure:**
 - From Home page select “Genes”



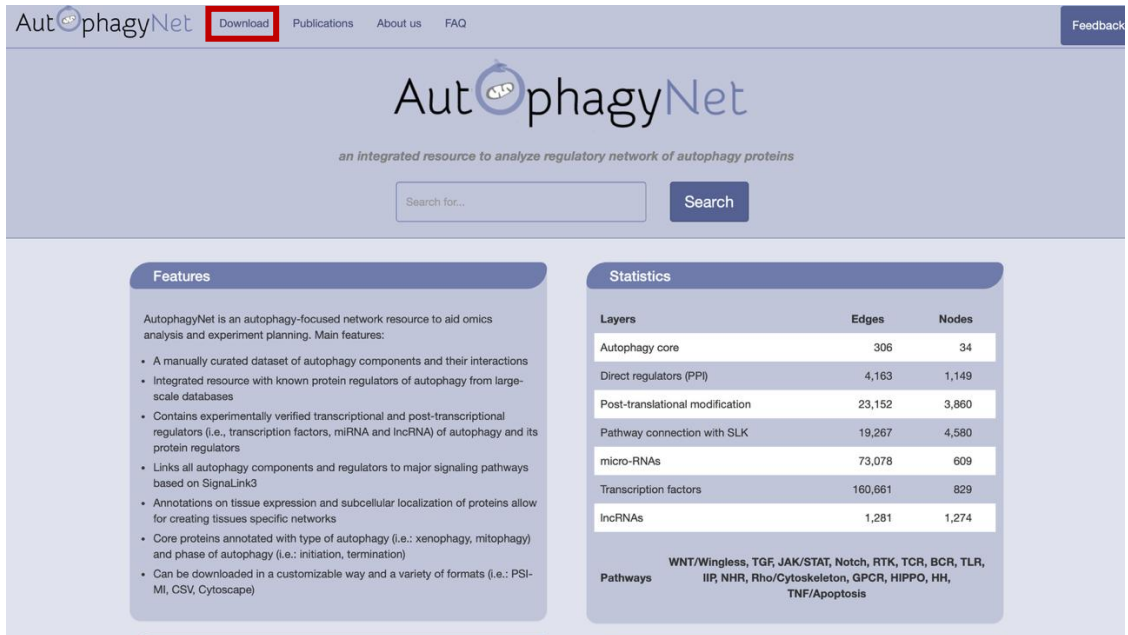
- Download from CSV button

The screenshot shows the HADB Genes page. The 'CSV' button in the download options is highlighted with a red box. The page displays a table of genes with columns for Gene, Name, Gene Family, Molecular Type, and Location.

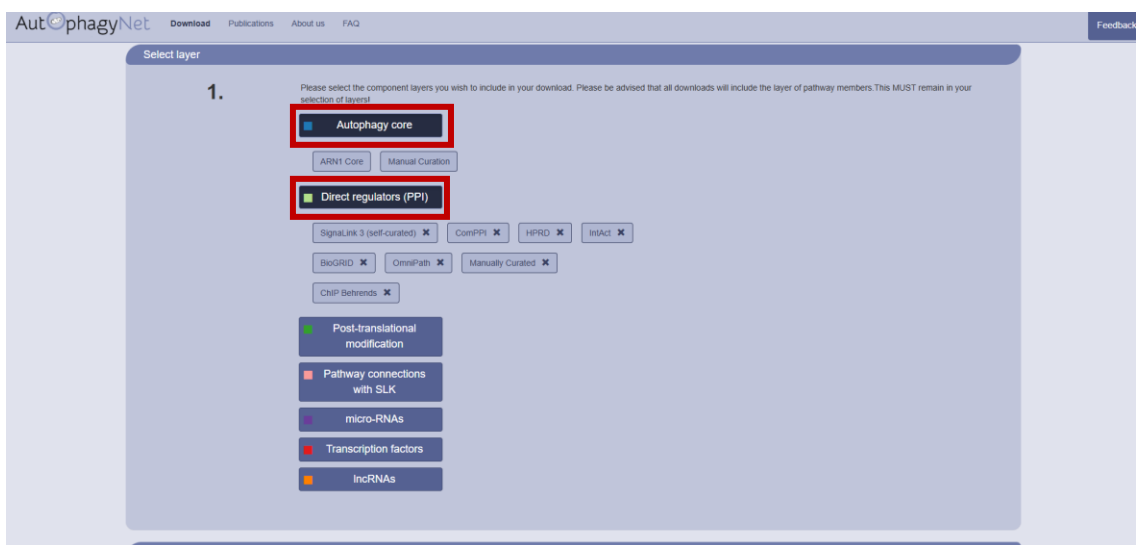
Gene	Name	Gene Family	Molecular Type	Location
ABL2	ABL proto-oncogene 2, non-receptor tyrosine kinase	SH2 domain containing Abl family tyrosine kinases	kinase	1q25.2
AKT1	AKT serine/threonine kinase 1	Pleckstrin homology domain containing AKT kinases	kinase	14q32.33
ALDH1A3	aldehyde dehydrogenase 1 family member A3	Aldehyde dehydrogenases	None	15q26.3
AMBRA1	autophagy and beclin 1 regulator 1	DDB1 and CUL4 associated factors MicroRNA protein coding host genes WD repeat domain containing	other	11p11.2
ANXA7	annexin A7	Annexins	ion channel	10q22.2
APOL1	apolipoprotein L1	Apolipoproteins	transporter	22q12.3
ARNT	aryl hydrocarbon receptor nuclear translocator	PAS domain containing Basic helix-loop-helix proteins	transcription regulator	1q21.3
ARSA	arylsulfatase A	Sulfatases	enzyme	22q13.33
ARSB	arylsulfatase B	Sulfatases	enzyme	5q14.1
ASIC1	acid sensing ion channel subunit 1	Acid sensing ion channel subunits	None	12q13.12
ATF4	activating transcription factor 4	Basic leucine zipper proteins	transcription regulator	22q13.1
ATF6	activating transcription factor 6	Basic leucine zipper proteins	transcription regulator	1q23.3
ATG10	autophagy related 10	Autophagy related	enzyme	5q14.1-q14.2

AutophagyNet

- **File name:** autophagynet_810933fbcd1232140ef7_csv.csv
- **Download Date:** 11/06/2025
- **DB Version:** v2.1
- **Procedure:**
 - From Home page select “Download”



- Select “Autophagy core” and “Direct regulators (PP1)”



- Select CSV and press “Finish Download”

AutophagyNet

Download

Rho/Cytoskeleton

RTK

WNT/Wingless

Feedback

Select download format

4.

Please select the file format in which you wish to receive your download.

csv

biopax (level 3)

psiml tab

sbml

cytoscape

Finish

5.

Name (optional)

Name

Email address (optional)

Email

Institution (optional)

Institution

Finish Download

Your privacy is very important to us and we want to ensure that you know what information we collect from you, how it is stored and processed, so please read our terms and privacy policy.

HAMdb (Human Autophagy Modulators database)

- **File name:** protein-role.csv
- **Download Date:** 12/06/2025
- **DB Version:** 2.4
- **Procedure:**
 - From Home page select “Download”

What is HAMdb?

Autophagy is an important homeostatic cellular recycling mechanism which plays a key role in diverse pathologies. The goal of **HAMdb** is to provide the up-to-date information of existing autophagy-related modulators (proteins, chemicals and microRNA) including their specific effect on autophagy, pathway and disease information. Additionally, some basic information (structural and physicochemical information) and most commonly used links are also added to provide more details.

How to use?

HAMdb is easy to use for researchers. For chemical searching, general name, synonyms, trade names terms and CAS number can be used as an input (Example: search for **Chloroquine**, the following terms can be used: "**Chloroquine**", "**Aralen**" or "**54-05-7**"). A specific protein can query using gene name, synonyms, and uniprot ID (Example: search for **AKT1** can query using "**AKT1**" or "**P31749**"). As to microRNA, the general name can be used for searching (Example: **mir-10** can be queried using "**mir-10**").

News & Updates

- Version 2.4(2018-7-04). The disease information of ATG16L1 and ATG5 were added; The download method and the contact address were changed.
- Version 2.3(2018-6-14). The display pattern of "Target by microRNA" and "Disease" were changed; The search function based on cell lines was added in the browse page.
- Version 2.2(2018-6-14). Summary items of each modulator were deleted; Related interpretation of "Mutation evidence", "Biomarker_Application", "Species Evidence", "Drug_target evidence",

HAMdb is supported by CBDD Group, Xiangya School of Pharmaceutical Sciences & Central South University. Use services and download of the data for commercial purposes requires explicit permission of us. Users who use these services should cite the paper in

New counts from Mar. 10, 2025
1,801 Total Pageviews

- Download CSV “Proteins with autophagy information”

Download

HAMDB provides a freely available resource for the public and reserachers. When using the data for commercial purposes, you must contact us for explicit permission and cite the original publications (see the footer).

Important: We ask that users who download significant portions of the database cite the HAMDB paper in any resulting publications.

# Data set	Released on	Download	Brief description	Status
# Chemicals basic information	2017-09-10	Excel CSV SDF	841 chemicals including 246 compounds extracted from literatures and 595 chemicals collected from online databases and their basic information, pathway and disease information, external links.	OK
# Chemicals with autophagy information	2018-07-04	Excel CSV	246 compounds extracted from literatures and their molecular type, specific effects on autophagy, species evidence and corresponding experimental references.	OK
# Chemicals predicted properties	2017-09-10	Excel CSV	841 chemicals with several useful predicted properties like 'Solubility'.	OK
# Proteins with basic information	2017-09-08	Excel CSV	796 proteins including 545 proteins from literatures and 251 collected from online databases and their basic information, pathway and disease information, 20 external database links containing structural and biological information.	OK
# Proteins with autophagy information	2018-07-04	Excel CSV	545 compounds extracted from literatures and their molecular type, specific effects on autophagy, species evidence and corresponding experimental references.	OK
# MicroRNAs with basic information	2017-09-12	Excel CSV	132 microRNAs with their gene description, RefSeq status, organism, synonyms and miRbase ID.	OK
# MicroRNAs with autophagy information	2018-07-04	Excel CSV	132 microRNAs with their molecular type, specific effects on autophagy, species evidence and corresponding experimental references.	OK

Gene Ontology (GO: 0061919) [process utilizing autophagic mechanism]

- **File name:** GO_0061919.tsv
- **Download Date:** 1/07/2025
- **DB Version:** GO version **2025-06-25** (Annotation set created on **2025-05-04 12:15**)
- **Procedure:**
 - After identification of the highest hierarchical GO term (GO: 0061919), search on AmiGO:
 - + isa_partof_closure: GO:0061919
 - + taxon_subset_closure_label: Homo sapiens
 - - type: protein_complex
 - + evidence_subset_closure_label: experimental evidence
 - Press “Custom DL” and move “Gene/product (bioidentity_label)” on top