

Resource Summary Report

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LifeDB

RRID:SCR_006899

Type: Tool

Proper Citation

LifeDB (RRID:SCR_006899)

Resource Information

URL: <http://www.dkfz.de/en/mga/Groups/LIFEdb-Database.html>

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Description: Database that integrates large-scale functional genomics assays and manual cDNA annotation with bioinformatics gene expression and protein analysis. LifeDB integrates data regarding full length cDNA clones and data on expression of encoded protein and their subcellular localization on mammalian cell line. LifeDB enables the scientific community to systematically search and select genes, proteins as well as cDNA of interest by specific database identifiers as well as gene name. It enables to visualize cDNA clone and subcellular location of proteins. It also links the results to external biological databases in order to provide a broader functional information. LifeDB also provides an annotation pipeline which facilitates an improved mapping of clones to known human reference transcripts from the RefSeq database and the Ensembl database. An advanced web interface enables the researchers to view the data in a more user friendly manner. Users can search using any one of the following search options available both in Search gene and cDNA clones and Search Sub-cellular locations of human proteins: By Keyword, By gene/transcript identifier, By plate name, By clone name, By cellular location. * The Search genes and cDNA clones results include: Gene Name, Ensemble ID, Genomic Region, Clone name, Plate name, Plate position, Classification class, Synonymous SNP"s, Non- synonymous SNP"s, Number of ambiguous positions, and Alignment with reference genes. * The Search sub-cellular locations of human proteins results include: Subcellular location, Gene Name, Ensemble ID, Clone name, True localization, Images, Start tag and End tag. Every result page has an option to download result data (excluding the microscopy images). On click of "Download results as CSV-file" link in the result page the user will be given a choice to open or save result data in form of a CSV (Comma Separated Values) file. Later the CSV file can be easily opened using Excel or OpenOffice.

Abbreviations: LifeDB

Resource Type: image collection, database, data or information resource

Defining Citation: [PMID:16381901](#), [PMID:14681468](#)

Keywords: human, protein, gene, cdna clone, subcellular, open reading frame, functional genomics

Funding: BMBF 01GR0101;
BMBF 01GR0420;
European Union grant 503438

Resource Name: LifeDB

Resource ID: SCR_006899

Alternate IDs: nif-0000-03081

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260807T042641+0000

Ratings and Alerts

No rating or validation information has been found for LifeDB.

No alerts have been found for LifeDB.

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 [dkNET](#) .

van der Wal T, et al. (2020) TMEM98 is a negative regulator of FRAT mediated Wnt/??-catenin signalling. PloS one, 15(1), e0227435.