Ligand-Gated Ion Channel Database

RRID:SCR_002418
Type: Tool

Proper Citation

Ligand-Gated Ion Channel Database (RRID:SCR_002418)

Resource Information

URL: http://www.ebi.ac.uk/compneur-srv/LGICdb/

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Description: Database providing access to information about transmembrane proteins that exist under different conformations, with three primary subfamilies: the cys-loop superfamily, the ATP gated channels superfamily, and the glutamate activated cationic channels superfamily. Due to the lack of evolutionary relationship, these three superfamilies are treated separately. It currently contains 554 entries of ligand-activated ion channel subunits. In this database one may find: the nucleic and proteic sequences of the subunits. Multiple sequence alignments can be generated, and some phylogenetic studies of the superfamilies are provided. Additionally, the atomic coordinates of subunits, or portion of subunits, are provided when available. Redundancy is kept to a minimum, i.e. one entry per gene. Each entry in the database has been manually constructed and checked by a researcher of the field in order to reduce the inaccuracies to a minimum. NOTE: This database is not actively maintained anymore. People should not consider it as an up-to-date trustable resource. For any new work, they should consider using alternative sources, such as UniProt, Ensembl, Protein Databank etc.

Abbreviations: LGICdb

Synonyms: LGIC Database

Resource Type: data or information resource, database

Defining Citation: PMID:16381861, PMID:11125117

Keywords: equilibrium, extracellular, gabaa, gated, gene, genetics, 3d model, alignment, anionic, atomic, atp, cationic, cellular, molecular, channel, compartment, computation,
conformation, coordinate, cys-loop, glutamate, glycine, histamine, homologous, ion, ion channel, ligand, membrane, nicotinic, nucleic acid, phylogenetic, pore, portion, proteic, nucleic acid, protein, phylogeny, receptor, segment, sequence, sequence data, serotonin, subunit, superfamily, transmembrane

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**Resource Name:** Ligand-Gated Ion Channel Database

**Resource ID:** SCR_002418

**Alternate IDs:** nif-0000-00037

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**Ratings and Alerts**

No rating or validation information has been found for Ligand-Gated Ion Channel Database.

No alerts have been found for Ligand-Gated Ion Channel Database.

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**Data and Source Information**

**Source:** [SciCrunch Registry](https://www.scicrunch.org)

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**Usage and Citation Metrics**

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](https://www.iterativesciencecommons.org/rrid).