Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 18, 2025

TRIP Database

RRID:SCR_002058
Type: Tool

Proper Citation

TRIP Database (RRID:SCR_002058)

Resource Information

URL: http://www.trpchannel.org/

Proper Citation: TRIP Database (RRID:SCR_002058)

Description: A manually curated database of protein-protein interactions (PPIs) for mammalian transient receptor potential (TRP) channels. The detailed summary of PPI data, fits into 4 categories: screening, validation, characterization, and functional consequence. These categorizations give answers for four basic questions about PPIs: how to identify PPIs (screening); how to confirm PPIs (validation); what are biochemical properties of PPIs (characterization); what are biological meaning of PPIs (functional consequence). Users can find in-depth information specified in the literature on relevant analytical methods, gene constructs, and cell/tissue types. The database has a user-friendly interface with several helpful features, including a search engine, an interaction map, and a function for cross-referencing useful external databases.

Abbreviations: TRIP Database

Synonyms: Mammalian TRansient receptor potential channel-Interacting Protein Database

Resource Type: database, data or information resource

Defining Citation: PMID:23071747, PMID:20851834

Keywords: protein-protein interaction, transient receptor potential channel, cellular protein

Funding:

Availability: Acknowledgement requested

Resource Name: TRIP Database

Resource ID: SCR_002058

Alternate IDs: OMICS_01912

Record Creation Time: 20220129T080211+0000

Record Last Update: 20250517T055517+0000

Ratings and Alerts

No rating or validation information has been found for TRIP Database.

No alerts have been found for TRIP Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Toft-Bertelsen TL, et al. (2021) TRPing to the Point of Clarity: Understanding the Function of the Complex TRPV4 Ion Channel. Cells, 10(1).

Myeong J, et al. (2016) The interaction domains of transient receptor potential canonical (TRPC)1/4 and TRPC1/5 heteromultimeric channels. Biochemical and biophysical research communications, 474(3), 476.

Kwon D, et al. (2014) Assisting manual literature curation for protein-protein interactions using BioQRator. Database : the journal of biological databases and curation, 2014.

Nilius B, et al. (2013) The puzzle of TRPV4 channelopathies. EMBO reports, 14(2), 152.

Galperin MY, et al. (2011) The 2011 Nucleic Acids Research Database Issue and the online Molecular Biology Database Collection. Nucleic acids research, 39(Database issue), D1.