

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 2, 2026

## Human-gpDB

RRID:SCR\_006223

Type: Tool

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### Proper Citation

Human-gpDB (RRID:SCR\_006223)

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### Resource Information

**URL:** [http://bioinformatics.biol.uoa.gr/human\\_gpdb/](http://bioinformatics.biol.uoa.gr/human_gpdb/)

**Proper Citation:** Human-gpDB (RRID:SCR\_006223)

**Description:** A publicly accessible, relational database of human G-Proteins and their interactions with human GPCRs and Effectors. Advanced data integration techniques make Human-gpDB very rich in context since all of the bioentities are linked to a rich variety of external data sources. High quality visualization methods make the networks more informative and the extraction of information easier. Human-gpDB is currently a very useful tool for drug targeting investigation. The sequences of G-Proteins and GPCRs are classified according to a hierarchy of different classes, families and sub-families, whereas the Effectors sequences are classified in families, subfamilies and types, based on extensive literature search. The classification of GPCRs follows the IUPHAR classification, while the Effectors classification is a unique feature and is based on their function. The database currently holds information about 713 human GPCRs, 36 human G-Proteins and 99 human Effectors. The collection of the information about the interactions between these molecules was done manually and the current status of Human-gpDB reveals information about 1663 connections between GPCRs and G-Proteins and 1618 connections between G-Proteins and Effectors.

**Abbreviations:** Human-gpDB

**Synonyms:** Human-gpDB: A database of human GPCRs G-proteins Effectors and their interactions

**Resource Type:** data analysis service, data or information resource, database, service resource, production service resource, analysis service resource

**Defining Citation:** [PMID:20689020](#)

**Keywords:** g-protein coupled receptor, g-protein, effector, interaction, visualization, data integration

**Availability:** Public

**Resource Name:** Human-gpDB

**Resource ID:** SCR\_006223

**Alternate IDs:** nlx\_151774

**Alternate URLs:** [http://schneider.embl.de/human\\_gpdb](http://schneider.embl.de/human_gpdb)

**Record Creation Time:** 20220129T080235+0000

**Record Last Update:** 20260801T190307+0000

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## Ratings and Alerts

No rating or validation information has been found for Human-gpDB.

No alerts have been found for Human-gpDB.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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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 [PRECISE-TBI](#) .

Satagopam VP, et al. (2010) GPCRs, G-proteins, effectors and their interactions: human-gpDB, a database employing visualization tools and data integration techniques. Database : the journal of biological databases and curation, 2010, baq019.