

# Occurrence Download Help

The occurrence download file is a tab-separated (TSV) table of objects found in source material. The source material has been reviewed or curated by PharmGKB. The source material is usually literature or pathways. At this level, there is no implied positive or negative relationship between objects that are linked to a source. The only assertion is that the object was noted as appearing in the source in some capacity by a PharmGKB curator.

Object types that can occur include genes, variants, haplotypes, molecules, and diseases (phenotypes).

For more information about how PharmGKB annotates literature and pathways read [the PharmGKB FAQs page](#).

## Columns in the data file

- *Source Type* = the type of the source, usually Literature or Pathway
- *Source ID* = the ID of the source, can be PMID or URL for Literature and the PA# for PharmGKB Pathways
- *Source Name* = the name of the source, either Literature title or Pathway name
- *Object Type* = the type of the object that occurs in the source
- *Object ID* = the PA# (PharmGKB accession identifier) of the object that occurs in the source
- *Object Name* = the name of the object that occurs in the source (or HGNC symbol for genes)