

# Gene Download Help

This is an archive of all known genes in the PharmGKB knowledgebase. PharmGKB uses HGNC as the source for all its gene records and then assigns each a unique PharmGKB Accession Identifier for use in annotations.

Not all of these genes have been involved in PharmGKB annotations. The best way to filter for PharmGKB-annotated genes is to use the "Has Variant Annotation" field.

Empty values in the chromosomal position columns mean the data was not available from NCBI at the time the gene information was loaded.

1. PharmGKB Accession Id = Identifier assigned to this gene by PharmGKB
2. NCBI Gene ID = Identifier assigned to this gene by NCBI
3. HGNC ID = Identifier assigned to this gene by HGNC
4. Ensembl Id = Identifier assigned to this gene by Ensembl
5. Name = Canonical name for this gene (by HGNC)
6. Symbol = Canonical name for this gene (by HGNC)
7. Alternate Names = Other known names for this gene, comma-separated
8. Alternate Symbols = Other known symbols for this gene, comma-separated
9. Is VIP = "Yes" if PharmGKB has written a VIP annotation for this gene, "No" otherwise
10. Has Variant Annotation = "Yes" if PharmGKB has written at least one variant annotation for this gene, "No" otherwise
11. Cross-references = References to other resources in the form "resource:id", comma-separated
12. Has CPIC Dosing Guideline = "Yes" if PharmGKB has annotated a CPIC guideline for this gene, "No" otherwise
13. Chromosome = The chromosome this gene is on, in the form "chr###"
14. Chromosomal Start - GRCh37 = Where this gene starts on the chromosomal sequence for NCBI GRCh37
15. Chromosomal Stop - GRCh37 = Where this gene stops on the chromosomal sequence for NCBI GRCh37
16. Chromosomal Start - GRCh38 = Where this gene starts on the chromosomal sequence for NCBI GRCh38
17. Chromosomal Stop - GRCh38 = Where this gene stops on the chromosomal sequence for NCBI GRCh38

For questions and comments, please contact us at <https://www.pharmgkb.org>