

# Package ‘enshuman’

May 8, 2026

**Title** Human Gene Annotation Data from 'Ensembl'

**Version** 1.0.0

**Description** Gene information from 'Ensembl' genome builds 'GRCh38.p14' and 'GRCh37.p13' to use with the 'topr' package. The datasets were originally downloaded from <[https://ftp.ensembl.org/pub/current/gtf/homo\\_sapiens/Homo\\_sapiens.GRCh38.111.gtf.gz](https://ftp.ensembl.org/pub/current/gtf/homo_sapiens/Homo_sapiens.GRCh38.111.gtf.gz)> and <[https://ftp.ensembl.org/pub/grch37/current/gtf/homo\\_sapiens/Homo\\_sapiens.GRCh37.87.gtf.gz](https://ftp.ensembl.org/pub/grch37/current/gtf/homo_sapiens/Homo_sapiens.GRCh37.87.gtf.gz)> and converted into the format required by the 'topr' package. See <<https://github.com/totajuliusd/topr?tab=readme-ov-file#how-to-use-topr-with-other-species-than-human>> to see the required format.

**License** LGPL (>= 3)

**Encoding** UTF-8

**LazyData** true

**LazyDataCompression** xz

**RoxygenNote** 7.2.3

**Suggests** testthat (>= 3.0.0), knitr, rmarkdown, markdown

**Config/testthat/edition** 3

**Depends** R (>= 3.5.0)

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2024-02-02 12:40:05 UTC

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 enshuman

*enshuman*


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### Description

Human gene annotation datasets to use with the 'topr' package

### datasets

The two datasets are:

- [hg38](#) Gene information from genome build GRCh38.p14
- [hg37](#) Gene information from genome build GRCh37.p13

### Examples

```
library(enshuman)
head(hg38)
head(hg37)
```

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 hg37

*Ensembl genes build GRCh37.87*


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### Description

wget [https://ftp.ensembl.org/pub/grch37/current/gtf/homo\\_sapiens/Homo\\_sapiens.GRCh37.87.gtf.gz](https://ftp.ensembl.org/pub/grch37/current/gtf/homo_sapiens/Homo_sapiens.GRCh37.87.gtf.gz)

### Usage

```
hg37
```

### Format

A data frame with 55,882 rows and 7 variables:

**chrom** chromosome

**gene\_start** genetic position of gene start

**gene\_end** genetic position of gene end

**gene\_symbol** The name of the gene

**biotype** the biotype of the gene

**exon\_chromstart** genetic positions of exon start

**exon\_chromend** genetic position of exon end

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hg38

*Ensembl genes build GRCh38.111*

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**Description**

wget [https://ftp.ensembl.org/pub/current/gtf/homo\\_sapiens/Homo\\_sapiens.GRCh38.111.gtf.gz](https://ftp.ensembl.org/pub/current/gtf/homo_sapiens/Homo_sapiens.GRCh38.111.gtf.gz)

**Usage**

hg38

**Format**

A data frame with 41,016 rows and 7 variables:

**chrom** chromosome

**gene\_start** genetic position of gene start

**gene\_end** genetic position of gene end

**gene\_symbol** the name of the gene

**biotype** the biotype of the gene

**exon\_chromstart** genetic positions of exon start

**exon\_chromend** genetic position of exon end

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