

# Package ‘Rhtslib’

October 14, 2021

**Title** HTSlib high-throughput sequencing library as an R package

**Description** This package provides version 1.7 of the 'HTSlib' C library for high-throughput sequence analysis. The package is primarily useful to developers of other R packages who wish to make use of HTSlib. Motivation and instructions for use of this package are in the vignette, `vignette(package = "Rhtslib")`.

**biocViews** DataImport, Sequencing

**URL** <https://bioconductor.org/packages/Rhtslib>, <http://www.htslib.org/>

**BugReports** <https://github.com/Bioconductor/Rhtslib/issues>

**Version** 1.24.0

**License** LGPL (>= 2)

**Copyright** Unless otherwise noted in the file, all files outside `src/htslib-1.7` and `inst/include` copyright Bioconductor; for files inside `src/htslib-1.7` or `inst/include`, see file `src/htslib-1.7/LICENSE`.

**Imports** zlibbioc

**LinkingTo** zlibbioc

**Suggests** BiocStyle, knitr

**SystemRequirements** libbz2 & liblzma & libcurl (with header files), GNU make

**StagedInstall** no

**VignetteBuilder** knitr

**git\_url** <https://git.bioconductor.org/packages/Rhtslib>

**git\_branch** RELEASE\_3\_13

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Rhtslib-package	<i>An R packaged HTSlib 1.7</i>
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**Description**

This package is interesting to package developers only, and provides a compiled HTSlib for developers to use in their own packages. See the vignette for instructions on use.

**Details**

Instructions for use are in the vignette, available with `browseVignettes(package="Rhtslib")`

**Author(s)**

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**References**

The HTSlib included in the package is based on release 1.7 of HTSlib found in the GitHub repository at <https://github.com/samtools/htslib>

**See Also**

[pkgconfig](#)

**Examples**

```
packageDescription('Rhtslib')
Rhtslib:::htsVersion()
```

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`pkgconfig`*Compiler configuration arguments for use of Rhtslib*

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**Description**

This function returns values for `PKG_LIBS` and `PKG_CPPFLAGS` variables for use in Makevars files. See `vignette("Rhtslib")` for details. The environment variable `RHTSLIB_RPATH` can be used to over-ride the inferred location of the installed package.

**Usage**

```
pkgconfig(opt = c("PKG_LIBS", "PKG_CPPFLAGS"))
```

**Arguments**

`opt` A scalar character from the list of available options; default is `PKG_LIBS`.

**Value**

NULL; prints the corresponding value to stdout.

**Author(s)**

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**Examples**

```
pkgconfig("PKG_LIBS")  
pkgconfig("PKG_CPPFLAGS")
```

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