

# H5P\_ENCODE

[Expand all](#) [Collapse all](#)

- [Jump to ...](#)
- [Summary](#)
- [Description](#)
- [Example](#)
- [Switch language ...](#)
- [C](#)
- [C++](#)
- [FORTRAN](#)
- [JAVA](#)

[Summary](#)  
[Description](#)  
[Example](#)  
[JAVA](#)  
[FORTRAN](#)  
[C++](#)  
[C](#)

# H5P\_ENCODE

Encodes the property values in a property list into a binary buffer

## Signature:

```
herr_t H5Pencode ( hid_t plist_id, void *buf, size_t *nalloc, hid_t fapl_id )  
herr_t H5Pencode ( hid_t plist_id, void *buf, size_t *nalloc )
```

## Description:

H5P\_ENCODE is a macro that is mapped to one of either:

- [H5P\\_ENCODE2](#)
- [H5P\\_ENCODE1](#)

Such macros are provided to facilitate application compatibility. Their use and mappings are fully described in [API Compatibility Macros in HDF5](#).

When both the HDF5 library and the application are built and installed with no specific compatibility flags, H5P\_ENCODE is mapped to the most recent version of the function. If the library and/or application is compiled for Release 1.10 emulation, H5P\_ENCODE will be mapped to [H5P\\_ENCODE1](#). Function-specific flags are available to override these settings on a function-by-function basis when the application is compiled.

Specific compile-time compatibility flags and the resulting mappings are as follows:

Compatibility setting	H5P_ENCODE mapping
<b>Global settings:</b>	
No compatibility flag	H5P_ENCODE2
Enable deprecated symbols	H5P_ENCODE2

Disable deprecated symbols	H5P_ENCODE2
Emulate Release 1.10 interface	H5P_ENCODE 1
<b>Function-level macros:</b>	
H5Pencode_vers = 2	H5P_ENCODE2
H5Pencode_vers = 1	H5P_ENCODE 1

**Returns:**

Returns a non-negative value if successful; otherwise returns a negative value.

**History:**

Release	Change
1.12.0	The function H5P_ENCODE was renamed to H5P_ENCODE1 and deprecated in this release. The macro H5P_ENCODE and H5P_ENCODE2 were introduced in this release.

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