



## Product Datasheet

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| <b>Product Name</b> | Ubiquitin Conjugating enzyme E2C Human Recombinant   |
| <b>Cata No</b>      | CB500522   |
| <b>Source</b>       | <i>Escherichia Coli.</i>   |
| <b>Synonyms</b>     | Ubiquitin-conjugating enzyme E2 C, EC 6.3.2.19, Ubiquitin-protein ligase C, Ubiquitin carrier protein C, Ubc10, UBCH10, dJ447F3.2. |

### Description

UbcH10 is an essential mediator of mitotic destruction events and cell cycle progression. It catalyzes the destruction of cyclins A and B in conjunction with the anaphase-promoting complex, and therefore, plays an important role in the control of the cell exit from mitosis. This activity is essential at the end of mitosis for the inactivation of their partner kinase Cdc2 and exit from mitosis into G1 of the next cell cycle. In addition, UbcH10 bears homology to yeast PAS2, a gene that is essential for biogenesis of peroxisomes. UbcH10 is useful for *in vitro* ubiquitinylation reactions.

Ubiquitin Conjugating enzyme E2C Human Recombinant produced in E.coli is a 21.1 kDa protein containing 191 amino acids. The UBE2C protein contains 6xHis tag and is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered white lyophilized powder.

### Purity

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

### Formulation

Lyophilized from a 0.2µm filtered concentrated (1 mg/ml) solution in 1X PBS and 1mM DTT, pH 7.5.

### Stability

Lyophilized UBE2C although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution UBE2C should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Sequence

MHHHHHHAMGIRMASQNRDPAATSVAAARKGAE  
PSGGAARGPVGKRL  
QQELMTLMMSGDKGISAFPESDNLFKWVGTIHGA  
AGTVYEDLRYKLSLE  
FPSGYPNAPTvkFLTPCYHPNVDTQGNICLDILK  
EKWSALYDVRTILLSI  
QSLLGEPNIDSPLNTHAAELWKNPTAFKKYLQES  
KQVTSQEP