

UBE2C

Recombinant Human Ubiquitin-Conjugating Enzyme E2C His

Catalog No.	CSI12738 CSI12739 CSI12740	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Ubiquitin-conjugating enzyme E2 C, Ubiquitin-protein ligase C, Ubiquitin carrier protein C, UBCH10.		
Description:	<p>UBE2C 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 the partner kinase Cdc2 and exit from mitosis into G1 of the next cell cycle. In addition, UBE2C bears homology to yeast PAS2, a gene that is essential for biogenesis of peroxisomes. UBE2C is useful for in vitro ubiquitylation reactions.</p> <p>Recombinant Human Ubiquitin-Conjugating enzyme E2C is a 21.1 kDa protein containing 191 amino acids, including a 6x His tag. It is purified by proprietary chromatographic techniques.</p>		
Physical Appearance:	Sterile Filtered white lyophilized powder.		
Gene ID:	11065		
Source:	<i>E. coli</i>		
Molecular Weight:	21.1 kDa		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution in PBS + 1 mM DTT, pH 7.5		
Purity:	> 95.0% as determined by RP-HPLC and SDS-PAGE.		
Amino Acid Sequence:	MHHHHHHAMG IRMASQNRDP AATSVAARK GAEPSSGAAR GPVGKRLQQE LMTLMMSGDK GISAFPESDN LFKWVGTHG AAGTVYEDLR YKLSLEFPSPG YPYNAPTVKF LTPCYHPNVD TQGNICLDIL KEKWSALYDV RTILLSIQSL LGEPNIDSPL NTHAAELWKN PTAFKKYLQE SKQVTSQEP		
Reconstitution:	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	Lyophilized UBE2C should be stored desiccated below -20°C. Upon reconstitution, UBE2C may be stored at 2-4°C for 1 week and for future use, store below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

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