UBC10
Recombinant Human Ubiquitin Conjugating Enzyme 10 His

Catalog No.	CSI20144A	**Quantity:**	10 µg
	CSI20144B		50 µg
	CSI20144C		1.0 mg

Description: Recombinant Human Ubquitin Conjugating Enzyme E2 C (UBE2C)/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 then 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.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Source: *E. coli*

Molecular Weight: Approximately 21.1 kDa, a single non-glycosylated polypeptide chain containing 179 amino acids (a.a.) of human UBE2C/ UBCH10 and 12 a.a. vector sequence including 6 × His tag at N-terminus.

Formulation: Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity: >95% by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1EU/µg of rHuUBE2C/UBCH10, His as determined by LAL method.

Amino Acid Sequence: **MHHHHHHAMG IR**MASQNRDP AATSVAAARK GAEPSGGAAR GPVGKRLQQE LMTLMMSGDK GISAFPESDN LFKWVGTIHG AAGTVYEDLR YKLSLEFPSG YPYNAPTVKF LTPCYHPNVD TQGNICLDIL KEKWSALYDV RTILLSIQSL LGEPNIDSPL NTHAAELWKN PTAFKKYLQE TYSKQVTSQE P

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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