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Recombinant Human Ubiquitin Conjugating Enzyme 7 His

Catalog No.	CSI20143A	**Quantity:**	10 µg
	CSI20143B		50 µg
	CSI20143C		1.0 mg

Alternate Names: UBC7

Description: Recombinant Human Ubquitin Conjugating Enzyme E2 L3 (UBE2L3)/UBCH7 is a class I enzyme which functions in the stress response and the control of transcription factors. The enzyme is ubiquitously expressed with high levels of expression seen in adult muscle. UBCH7 mediates the selective degradation of short-lived and abnormal proteins and is highly homologous to UBCH5. It has been demonstrated to participate in the ubiquitinylation of p53, c-Fos and NF-κB. UBCH7 is one of two E2s (UBCH5 being the other) with which HECT domain proteins interact with UBCH7 being able to efficiently substitute for UBCH5 in E6-APdependent ubiquitinylation.

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

Source: *E. coli*

Molecular Weight: 18.9 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS + 1 mM DTT, pH 7.5.

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

Endotoxin Level: Less than 1EU/µg of rHuUBE2L3/UBCH7, His as determined by LAL method.

Biological Activity: Data is not available.

Amino Acid Sequence: **MHHHHHHA**MA ASRRLMKELE EIRKCGMKNF RNIQVDEANL LTWQGLIVPD NPPYDKGAFR IEINFPAEYP FKPPKITFKT KIYHPNIDEK GQVCLPVISA ENWKPATKTD QVIQSLIALV NDPQPEHPLR ADLAEEYSKD RKKFCKNAEE FTKKYGEKRP VD

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.**

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