

Recombinant Human Ubiquitin Conjugating Enzyme E2 D3/UBC5C His

Catalog No.	CSI20142A CSI20142B CSI20142C	Quantity:	10 µg 50 µg 1.0 mg
Description:	Ubiquitin Conjugating Enzyme E2 D3 (UBE2D3)/UBC5C enzymes are human homologs of the yeast UBC4/5 family and play many important regulatory roles in inflammation and cancer. Ubch5a mediates the degradation of a myriad of short-lived regulatory proteins (such as p53 in the presence of E6/E6-AP or MDM2, c-Fos, IκBα, p105) and abnormal proteins. UBE2D3 has 88% and 89% sequence identity with Ubch5a and Ubch5b respectively.		
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.		
Molecular Weight:	17.7 kDa		
Formulation:	Lyophilized from a 0.2µm filtered concentrated solution in PBS + 1mM DTT, pH 7.5.		
Purity:	>95% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg of rHuUBE2D3/UBC5C, His as determined by LAL method.		
Biological Activity:	Data is not available.		
Amino Acid Sequence:	MHHHHHHA MA LKRINKELSD LARDPPAQCS AGPVGDDMFH WQATIMGPND SPYQGGVFFL TIHFPTDYPF KPPKVAFTTR IYHPNINSNG SICLDILRSQ WSPALTISKV LLSICSLLCD PNPDDPLVPE IARIYKTD RD KYNRISREWT QKYAM		
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°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.

