

Recombinant Human Ubiquitin Conjugating Enzyme E2B His

Catalog No.	CSI20141A CSI20141B CSI20141C	Quantity:	10 µg 50 µg 1.0 mg
Description:	This E2 enzyme encodes for the human homolog of the yeast DNA repair gene RAD6, which is induced by DNA damaging agents. UBE2B can conjugate ubiquitin to histone H2A in an E3- independent manner in vitro, and is essential for the multiubiquitination and degradation of N-end rule substrates. Additionally, UBE2B may have a role in sepsis-induced muscle protein proteolysis and cancer-induced cachexia.		
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.		
Molecular Weight:	19.0 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.		
Purity:	>95% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg of rHuUBE2B, His as determined by LAL method.		
Biological Activity:	Data is not available.		
Amino Acid Sequence:	<u>MHHHHHAMG QLRS</u> MSTPAR RRLMRDFKRL QEDPPVGVSG APSENNIMQW NAVIFGPEGT PFEDGTFKLV IEFSEEYPNK PPTVRFLSKM FHPNVYADGS ICLDILQNRW SPTYDVSSIL TSIQSLLDEP NPNSPANQA AQLYQENKRE YEKRVS AIVE QSWNDS		
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.