

UBE2K

Recombinant Human Ubiquitin-Conjugating Enzyme EK2 His

Catalog No.	CSI12720 CSI12721 CSI12722	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Ubiquitin-conjugating enzyme E2-25K, E2(25K), E2-25K, Ubiquitin-protein ligase, Ubiquitin carrier protein, UBC1, HIP2, HIP-2, Huntingtin Interacting protein 2, HYPG, LIG		
Description:	<p>Ubiquitin-Conjugating Enzyme EK2 (UBE2K) belongs to the ubiquitin-conjugating enzyme family which take part in many cellular processes such as selective protein degradation, DNA repair, cell cycle control, and sporulation. UBE2K interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation.</p> <p>UBE2K produced is a single, non-glycosylated polypeptide chain containing 236 amino acids (aa 1-200) fused to a 36 amino acid His-tag at the N-terminus. It is purified by proprietary chromatographic techniques.</p>		
Physical Appearance:	Sterile Filtered clear solution.		
Gene ID:	3093		
Source:	<i>E. coli</i>		
Molecular Weight:	26.5 kDa		
Formulation:	The UBE2K protein solution (1 mg/ml) is formulated in 20 mM Tris-HCl buffer, pH 7.5, + 1 mM DTT + 50 mM NaCl + 10% glycerol.		
Purity:	> 95.0% as determined by RP-HPLC and SDS-PAGE.		
Amino Acid Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMANI AVQRIKREFK EVLKSEETSK NQIKVDLVDE NfTELRGEIA GPPDTPYEGG RYQLEIKIPE TYPFNPPKVR FITKIWHPNI SSVTGAICLD ILKDQWAAAM TLRTVLLSLQ ALLAAEPDD PQDAVVANQY KQNPEMFKQT ARLWAHVYAG APVSSPEYTK KIENLCAMGF DRNAVIVALS SKSWDVETAT ELLLSN		
Storage & Stability:	Store at 2-4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid repeated freeze thaw cycles.		

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

