

## UBE2K/E2-25K, His, Human

**Cat. No.:** Z02966-50

**Size:** 50.0 ug

**Synonyms:** HIP2, Huntingtin Interacting protein 2, HYPG, Ubiquitin-conjugating enzyme E2-25K kDa, Ubiquitin-protein ligase, Ubiquitin carrier protein, LIG, HIP-2, E2(25K), DKFZp686J24237, OT-THUMP00000218440, EC 6.3.2.19.

### Description:

Ubiquitin-conjugating enzyme E2 K is a protein that in humans is encoded by the UBE2K gene. The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. It binds selectively to a large region at the N terminus of huntingtin. This interaction is not influenced by the length of the huntingtin polyglutamine tract. This protein has been implicated in the degradation of huntingtin and suppression of apoptosis.

### Amino Acid Sequence:

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00001 MHHHHHHAMA NIAVQRIKRE FKEVLKSEET SKNQIKVDLV
00041 DENFTEL RGE IAGPPDTPYE GGRYQLEIKI PETYFPNPPK
00081 VRFITKIWHP NISSVTGAIC LDILKDQWAA AMTLRTVLLS
00121 LQALLAAAE PDDPQDAVVAN QYKQNPMEFK QTARLWAHVY
00161 AGAPVSSPEY TKKIENLCAM GFDRNAVIVA LSSKSWDVET
00201 ATELLLSN
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**Source:** *E. coli*

**Species:** Human

**Molecular Weight:** Approximately 23.4 kDa, a single non-glycosylated polypeptide chain containing 200 amino acids (a.a.) of human UBE2K and 8 a.a. vector sequence including 6 × His tag at N-terminus.

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

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

**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.

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

**Endotoxin Level:** Less than 1EU/µg of rHuUBE2K, His as determined by LAL method.

**Storage:** 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 -70°C. Avoid repeated freeze/thaw cycles.