

Recombinant Human Ubiquitin-conjugating Enzyme E2 K, His

Catalog No: #AP60433

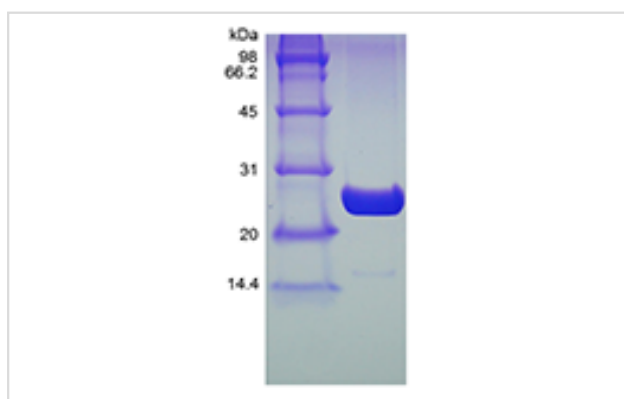
Package Size: #AP60433-1 10ug #AP60433-2 100ug #AP60433-3 500ug

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Description

Product Name	Recombinant Human Ubiquitin-conjugating Enzyme E2 K, His
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	HIP-2, Ubiquitin Carrier Protein, Ubiquitin-protein Ligase
Uniprot	P61086
GeneID	3093
Calculated MW	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 x His tag at N-terminus.
Target Sequence	MHHHHHHAMA NIAVQRIKRE FKEVLKSEET SKNQIKVDLV DENFTELGRG IAGPPDTPYE GGRYQLEIKI PETYPFNPPK VRFITKIWHP NISSVTGAIC LDILKDQWAA AMTLRTVLLS LQALLAAEAP DDPQDAVVAN QYKQNPENMFK QTARLWAHVY AGAPVSSPEY TKKIENLCAM GFDRNAVIVA LSSKSWDVET ATELLSN
Formulation	A 0.2 µm filtered concentrated solution in 50 mM HEPES, pH 8.0, with 100 mM NaCl, 10 % Glycerol, 5 % Trehalose, 1 mM DTT.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 6 months from date of receipt, -20 to -70 °C as supplied.- 3 months, -20 to -70 °C under sterile conditions after opening.

Images



Background

Ubiquitin-conjugating enzyme E2 K belongs to the ubiquitin-conjugating enzyme family and is encoded by the UBE2K gene in humans. The ubiquitin-conjugating enzymes, also known as E2 enzymes and more rarely as ubiquitin-carrier enzymes, take part in the second step in the ubiquitination reaction. In this reaction, E1 activates the ubiquitin by covalently attaching the molecule to its active site cysteine residue. The activated ubiquitin is then transferred to an E2 cysteine and then the E2 molecule binds E3 via a structurally conserved binding region. The ubiquitination reaction can modify proteins and regulate protein degradation. The UBE2K has been shown to interact with Huntingtin and RNF2. Additionally, it has been implicated in the degradation of huntingtin and suppression of apoptosis.

Note: This product is for in vitro research use only