

## Human Ubiquitin-Conjugating Enzyme E2 K (UBE2K) ELISA Kit | UBE2K elisa kit

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CATALOG #  
**AAA330324**

REACTIVITY  
**Human**

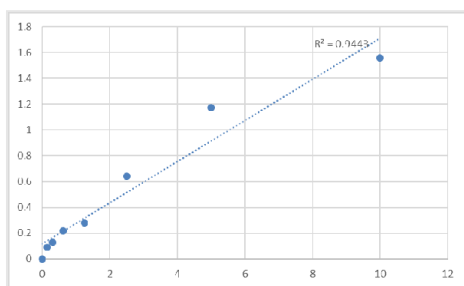
### PRODUCT SYNONYMS

Ubiquitin-Conjugating Enzyme E2 K (UBE2K); Human Ubiquitin-Conjugating Enzyme E2 K (UBE2K) ELISA Kit; UBE2K; DKFZp564C1216; DKFZp686J24237; E2-25K; HIP2; HYPG; LIC; huntingtin interacting protein 2; ubiquitin carrier protein; ubiquitin-conjugating enzyme E2-25 KDA; ubiquitin-conjugating enzyme E2K; ubiquitin-p; UBE2K elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Ubiquitin-conjugating enzyme E2 K (UBE2K) ELISA Kit has high sensitivity and excellent specificity for detection of Human UBE2K. No significant cross-reactivity or interference between Human UBE2K and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Length         | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

Fig.1. Human Ubiquitin-conjugating enzyme E2 K (UBE2K) Standard Curve.

ADDITIONAL INFORMATION

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|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for UBE2K elisa kit | <p>Description: This Human Ubiquitin-conjugating enzyme E2 K (UBE2K) ELISA Kit employs a two-site sandwich ELISA to quantitate UBE2K in samples. An antibody specific for UBE2K has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UBE2K present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UBE2K is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of UBE2K bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: HIP2 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. The 200-amino acid HIP2 protein sequence was identical to that of bovine ubiquitin-conjugating enzyme E2-25K. Assays of the interaction of HIP2 with huntingtin revealed that HIP2 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. Western blot analysis detected protein bands of 25, 28, and 45 kD; the 28-kD band appeared to be selective for tissues of the central nervous system.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| NCBI GI #                        | 46577658                                                                                    |
| NCBI GeneID                      | 3093                                                                                        |
| UniProt Accession #              | P61086                                                                                      |
| NCBI Official Full Name          | Ubiquitin-conjugating enzyme E2 K                                                           |
| NCBI Official Synonym Full Names | ubiquitin conjugating enzyme E2 K                                                           |
| NCBI Official Symbol             | UBE2K                                                                                       |
| NCBI Official Synonym Symbols    | LIG; HIP2; HYPG; UBC1; E2-25K                                                               |
| NCBI Protein Information         | ubiquitin-conjugating enzyme E2 K                                                           |
| UniProt Protein Name             | Ubiquitin-conjugating enzyme E2 K                                                           |
| UniProt Gene Name                | UBE2K                                                                                       |
| UniProt Synonym Gene Names       | HIP2; LIG; HIP-2; Ubiquitin-conjugating enzyme E2(25K); Ubiquitin-conjugating enzyme E2-25K |
| UniProt Entry Name               | UBE2K_HUMAN                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.