

#### OriGene Technologies, Inc.

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# Product datasheet for TP308645

### HIP2 (UBE2K) (NM\_005339) Human Recombinant Protein

### Product data:

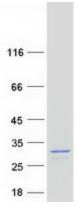
| Product Type:                            | Recombinant Proteins   |
|--|--|
| Description:                             | Recombinant protein of human ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)<br>(UBE2K), transcript variant 1, 20 μg  |
| Species:                                 | Human  |
| Expression Host:                         | HEK293T  |
| Expression cDNA Clone<br>or AA Sequence: | >RC208645 representing NM_005339<br><mark>Red</mark> =Cloning site Green=Tags(s)   |
|  | MANIAVQRIKREFKEVLKSEETSKNQIKVDLVDENFTELRGEIAGPPDTPYEGGRYQLEIKIPETYPFNP<br>PKVRFITKIWHPNISSVTGAICLDILKDQWAAAMTLRTVLLSLQALLAAAEPDDPQDAVVANQYKQNPEM<br>FKQTARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVETATELLLSN |
|  | TRTRPLEQKLISEEDLAANDILDYKDDDDKV  |
| Tag:                                     | C-Myc/DDK  |
| Predicted MW:                            | 22.2 kDa   |
| Concentration:                           | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                                  | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                                  | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:                             | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| Note:                                    | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| Storage:                                 | Store at -80°C.  |
| Stability:                               | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| RefSeq:                                  | <u>NP 005330</u>   |
| Locus ID:                                | 3093   |
| UniProt ID:                              | <u>P61086</u>  |



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|                   | HIP2 (UBE2K) (NM_005339) Human Recombinant Protein – TP308645  |
|-------------------|--|
| RefSeq Size:      | 2208   |
| Cytogenetics:     | 4p14   |
| RefSeq ORF:       | 600  |
| Synonyms:         | E2-25K; HIP2; HYPG; LIG; UBC1  |
| Summary:          | The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. This<br>protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene<br>product for Huntington's disease. Known functions for this protein include a role in aggregate<br>formation of expanded polyglutamine proteins and the suppression of apoptosis in<br>polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy<br>chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple<br>transcript variants encoding different isoforms have been identified for this gene. [provided<br>by RefSeq, Jul 2008] |
| Protein Families: | Druggable Genome, Transcription Factors  |
| Protein Pathway   | s: Ubiquitin mediated proteolysis  |
|                   |  |

## **Product images:**



Coomassie blue staining of purified UBE2K protein (Cat# TP308645). The protein was produced from HEK293T cells transfected with UBE2K cDNA clone (Cat# [RC208645]) using MegaTran 2.0 (Cat# [TT210002]).

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