

## **Product datasheet for TP308645M**

## OriGene Technologies, Inc.

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## 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)

(UBE2K), transcript variant 1, 100 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC208645 representing NM\_005339

or AA Sequence: Red=Cloning site Green=Tags(s)

MANIAVQRIKREFKEVLKSEETSKNQIKVDLVDENFTELRGEIAGPPDTPYEGGRYQLEIKIPETYPFNP PKVRFITKIWHPNISSVTGAICLDILKDQWAAAMTLRTVLLSLQALLAAAEPDDPQDAVVANQYKQNPEM

FKQTARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVETATELLLSN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK

Predicted MW: 22.2 kDa

**Concentration:**  $>0.05 \mu g/\mu L$  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:** NP 005330

**Locus ID:** 3093

UniProt ID: P61086





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

protein 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

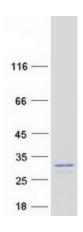
formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided

by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** 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]).