

## **Product datasheet for PH308645**

## OriGene Technologies, Inc.

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## HIP2 (UBE2K) (NM\_005339) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** UBE2K MS Standard C13 and N15-labeled recombinant protein (NP\_005330)

Species: Human
Expression Host: HEK293

Expression cDNA Clone

or AA Sequence:

RC208645

Predicted MW: 22.2 kDa

Protein Sequence: >RC208645 representing NM\_005339

Red=Cloning site Green=Tags(s)

MANIAVQRIKREFKEVLKSEETSKNQIKVDLVDENFTELRGEIAGPPDTPYEGGRYQLEIKIPETYPFNP PKVRFITKIWHPNISSVTGAICLDILKDQWAAAMTLRTVLLSLQALLAAAEPDDPQDAVVANQYKQNPEM

FKQTARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVETATELLLSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration:  $>0.05 \mu g/\mu L$  as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.

**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.

**RefSeq:** NP 005330

RefSeq Size: 2208 RefSeq ORF: 600

**Synonyms:** E2-25K; HIP2; HYPG; LIG; UBC1

**Locus ID:** 3093 **UniProt ID:** P61086





Cytogenetics: 4p14

**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

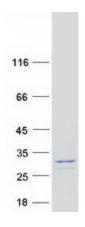
formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms 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]).