

Product datasheet for **TP308645L**

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208645 representing NM_005339 Red =Cloning site Green =Tags(s)

MANIAVQRIKREFKEVLKSEETSKNQIKVDLVDENFTELARGEIAGPPDTPYEGGRYQLEIKIPETYPFNP
PKVRFITKIWHPNISSVTGAICLDILKDQWAAAMTLRVLVLLSLQALLAAEPDDPQDAVVANQYKQNP
FKQARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVETATELLSN

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:	NP_005330
Locus ID:	3093
UniProt ID:	P61086



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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]).