

Product datasheet for PH308645

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) MANIAVQRIKREFKEVLKSEETSKNQIKVDLVDFTELRLRGEIAGPPDTPYEGGRYQLEIKIPETYPFNP PKVRFITKIWHPNIISSVTGAICLDILKDQWAAAMTLRTVLLSLQALLAAAEPDDPQDAVVANQYKQNP FKQTARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVETATELLLSN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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



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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]).