

## Product datasheet for PH300407

### UBE2G2 (NM\_003343) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	UBE2G2 MS Standard C13 and N15-labeled recombinant protein (NP_003334)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200407
Predicted MW:	18.6 kDa
Protein Sequence:	>RC200407 protein sequence Red=Cloning site Green=Tags(s)  MAGTALKRLMAEYKQLTLNPPEGIVAGPMNEENFFWEALIMGPEDTCFEFGVFPAILSFPLDYPLSPPK MRFTCEMFHPNIYPDGRVCISILHAPGDDPMGYESSAERWSPVQSV EKILLSVVSMLAEPNDESGANVDA SKMWRDDREQFYKIAKQIVQKSLGL  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- 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:	<a href="#">NP_003334</a>
RefSeq Size:	3400
RefSeq ORF:	495
Synonyms:	UBC7
Locus ID:	7327
UniProt ID:	<a href="#">P60604</a>



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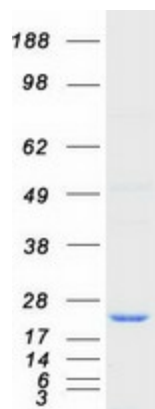
**Cytogenetics:** 21q22.3

**Summary:** The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 100% sequence identity with the mouse counterpart. This gene is ubiquitously expressed, with high expression seen in adult muscle. Three alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

**Protein Families:** Druggable Genome

**Protein Pathways:** Parkinson's disease, Ubiquitin mediated proteolysis

### Product images:



Coomassie blue staining of purified UBE2G2 protein (Cat# [TP300407]). The protein was produced from HEK293T cells transfected with UBE2G2 cDNA clone (Cat# [RC200407]) using MegaTran 2.0 (Cat# [TT210002]).