

## Product datasheet for PH301159

### UBE2G1 (NM\_003342) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	UBE2G1 MS Standard C13 and N15-labeled recombinant protein (NP_003333)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201159
Predicted MW:	19.3 kDa
Protein Sequence:	>RC201159 representing NM_003342 Red=Cloning site Green=Tags(s)  MTELQSALLLRRQLAELNKNPVEGFSAGLIDDNDLYRWEVLIIGPPDTLYEGGVFKAHLTFPKDYPLRPP KMKFITEIWHPNVDKNGDVCISILHEPGEDKYGYEKPEERWLPPIHTVETIMISVISMLADPNGDSPANVD AAKEWREDRNGEFKRKVARCVRKSQETAFE  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_003333</a>
RefSeq Size:	4208
RefSeq ORF:	510
Synonyms:	E217K; UBC7; UBE2G
Locus ID:	7326
UniProt ID:	<a href="#">P62253</a>



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**Cytogenetics:** 17p13.2

**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 and catalyzes the covalent attachment of ubiquitin to other proteins. The protein may be involved in degradation of muscle-specific proteins. [provided by RefSeq, Jul 2008]

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

**Product images:**



Coomassie blue staining of purified UBE2G1 protein (Cat# [TP301159]). The protein was produced from HEK293T cells transfected with UBE2G1 cDNA clone (Cat# [RC201159]) using MegaTran 2.0 (Cat# [TT210002]).