

## Product datasheet for PH307283

### UBE2D2 (NM\_181838) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	UBE2D2 MS Standard C13 and N15-labeled recombinant protein (NP_862821)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207283
Predicted MW:	13.5 kDa
Protein Sequence:	>RC207283 representing NM_181838 Red=Cloning site Green=Tags(s)  MALKRIHKELNDLARDPPAQCSAGPVGDDMFHWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFT TRITYHPNINSNGSICLDILRSQWSPALTISKVLLSICSLLCDPNPDDPLVPEIARIYKTDREKYNRIARE WTQKYAM  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:	<u><a href="#">NP_862821</a></u>
RefSeq Size:	2879
RefSeq ORF:	441
Synonyms:	E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH4; UBCH5B
Locus ID:	7322
UniProt ID:	<u><a href="#">P62837</a></u>



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**Cytogenetics:** 5q31.2

**Summary:** Regulated degradation of misfolded, damaged or short-lived proteins in eukaryotes occurs via the ubiquitin (Ub)-proteasome system (UPS). An integral part of the UPS system is the ubiquitination of target proteins and covalent linkage of Ub-containing proteins to form polymeric chains, marking them as targets for 26S proteasome-mediated degradation. Ubiquitination of proteins is mediated by a cascade of enzymes which includes E1 (ubiquitin activating), E2 (ubiquitin conjugating), and E3 (ubiquitin ligases) enzymes. This gene encodes a member of the E2 enzyme family. Substrates of this enzyme include the tumor suppressor protein p53 and peroxisomal biogenesis factor 5 (PEX5). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

**Protein Pathways:** Ubiquitin mediated proteolysis

**Product images:**



Coomassie blue staining of purified UBE2D2 protein (Cat# [TP307283]). The protein was produced from HEK293T cells transfected with UBE2D2 cDNA clone (Cat# [RC207283]) using MegaTran 2.0 (Cat# [TT210002]).