

## Product datasheet for **TP307283**

### UBE2D2 (NM\_181838) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast) (UBE2D2), transcript variant 2, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC207283 representing NM\_181838  
**Red**=Cloning site **Green**=Tags(s)

MALKRIHKELNDLARDPPAQCSAGVGDDMFHWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFT  
TRIYHPNINSNGSICLDILRSQWSPALTISKVLLSICSLLCDPNPDDPLVPEIARIYKTDREKYNRIARE  
WTQKYAM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 13.5 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\\_862821](#)

**Locus ID:** 7322

**UniProt ID:** [P62837](#)



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RefSeq Size: 2879

Cytogenetics: 5q31.2

RefSeq ORF: 441

Synonyms: E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH4; UBCH5B

**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]).