

Product datasheet for TP307283

OriGene Technologies, Inc.

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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 >RC207283 representing NM 181838

or AA Sequence: Red=Cloning site Green=Tags(s)

MALKRIHKELNDLARDPPAQCSAGPVGDDMFHWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFT

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





RefSeq Size: 2879

Cytogenetics: 5q31.2 RefSeq ORF: 441

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

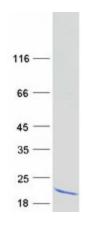
Summary: Regulated degradation of misfolded, damaged or short-lived proteins in eukaryotes occurs via

> 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]).