

## Product datasheet for **AR39087PU-L**

### UBE2D2 (1-147, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	UBE2D2 (1-147, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SGLVPRGSH</u> MALKRIHKEL NDLARDPPAQ CSAGPVGDDM FHWQATIMGP NDSPYQGGVF FLTIHFPTY PFKPPKVAFT TRIYHPNINS NGSICLDILR SQWSPALTIS KVLLSICSLC CDPNPDDPLV PEIARIYKTD REKYNRIARE WTQKYAM
Tag:	His-tag
Predicted MW:	18.9 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human UBE2D2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_003330</u>
Locus ID:	7322
UniProt ID:	<u>P62837</u>
Cytogenetics:	5q31.2
Synonyms:	E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH4; UBCH5B



[View online »](#)

**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:**