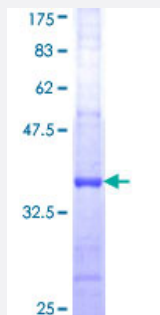


UBE2D2 (Human) Recombinant Protein (Q01)

Catalog # H00007322-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UBE2D2 partial ORF (NP_003330, 1 a.a. - 94 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MALKRIHKELNDLARDPPAQCSAGPVGDDMFHWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKP PKVAFTRIRYHPNINSNGSICLDILRSQWS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.08
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UBE2D2

Entrez GeneID [7322](#)

GeneBank Accession# [NM_003339](#)

Protein Accession# [NP_003330](#)

Gene Name UBE2D2

Gene Alias E2(17)KB2, PUBC1, UBC4, UBC4/5, UBCH5B

Gene Description ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)

Omim ID [602962](#)

Gene Ontology [Hyperlink](#)

Gene 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. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. Two alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms. [provided by RefSeq]

Other Designations ubiquitin carrier protein|ubiquitin-conjugating enzyme E2 D2|ubiquitin-conjugating enzyme E2-17 kDa 2|ubiquitin-conjugating enzyme E2D 2|ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5)

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Cardiovascular Diseases](#)
- [Chromosome Deletion](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Myelodysplastic Syndromes](#)