

## Recombinant *Xenopus* ube2d2, His-tagged

**Cat. No.** ube2d2-236X    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length <i>Xenopus</i> UBE2D2 (UBC4) was expressed in <i>E. coli</i> cells using an N-terminal His tag.                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | <i>Xenopus laevis</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | UBE2D2(UBC4) Protein or ubiquitin-conjugating enzyme E2D 2 is a member of the E2 ubiquitin-conjugating enzyme family which functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. UBE2D2 specifically ubiquitinates E6AP and in vivo inhibition of UBE2D2 can lead to inhibition of E6-stimulated p53 degradation. UBE2D2 could conjugate ubiquitin to target proteins in an E6AP-dependent manner. |
| <b>Form</b>             | Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | ~17 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | >95% by densitometry                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | Western Blot                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most                                                                                                                                                                                                                                                                                                      |

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favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

**Concentration** 0.1 µg/µl

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** ube2d2?ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast) [?Xenopus laevis?(African clawed frog) ]

**Official Symbol** ube2d2

**Synonyms** ube2d2; ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast); EC 6.3.2.-

**Gene ID** 446340

**mRNA Refseq** NM\_001093036

**Protein Refseq** ?NP\_001086505

**Pathway** Protein processing in endoplasmic reticulum; Ubiquitin mediated proteolysis

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