# Recombinant human UbcH5b/UBE2D2 protein

Catalog Number: ATGP3690

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
1-147aa

**UniProt No.**
P62837

**NCBI Accession No.**
NP_003330

**Alternative Names**
Ubiquitin-conjugating enzyme E2 D2, Ubiquitin carrier protein D2, Ubiquitin-conjugating enzyme E2(17)KB 2, Ubiquitin-conjugating enzyme E2-17 kDa 2, Ubiquitin-protein ligase D2, p53-regulated ubiquitin-conjugating enzyme 1, PUBC1, UBC4, UBC5B, UBCH4, UBCH5B

## PRODUCT SPECIFICATION

**Molecular Weight**
16.7 kDa (147aa) Confirmed by MALDI-TOF

**Concentration**
0.5mg/ml (determined by absorbance at 280nm)

**Formulation**
Liquid in. 20mM MES buffer (pH 6.0) containing 50mM NaCl, 1mM DTT

**Purity**
> 95% by SDS-PAGE

**Tag**
Non-Tagged

**Application**
SDS-PAGE

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**
UBE2D2, also known as Ubiquitin-conjugating enzyme E2 D2, is 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. UBE2D2 catalyzes ubiquitination of IkB-alpha in a phosphorylation and SCFB-TRCP dependent manner. Recombinant human UBE2D2 protein was expressed in E. coli and purified by

using conventional chromatography techniques.

**Amino acid Sequence**

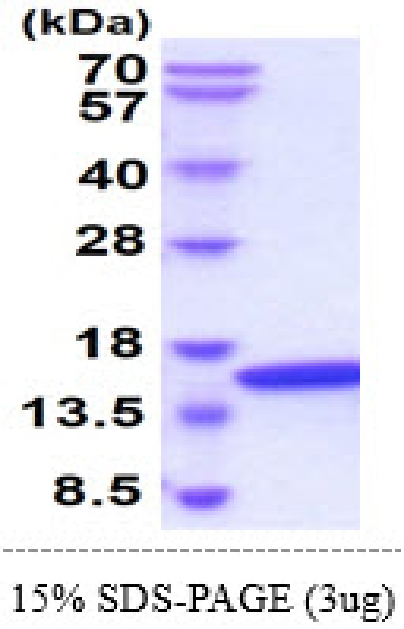
MALKRIHKEL NDLARDPPAQ CSAGPVGDDM FHWQATIMGP NDSPYQGGVF FLTIHFPTDY PFKPPKVAFT TRIYHPNINS NGSICLDILR SQWSPALTIS KVLLSICSLL CDPNPDDPLV PEIARIYKTD REKYNRIARE WTQKYAM

**General References**

Ciechanover A., et al. (1994) FASEB J. 8(2):182-91.
Orian A., et al. (1995) J Biol Chem. 270(37):21707-14.

## DATA

**SDS-PAGE**




15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.