

# Recombinant human UBC3B/UBE2R2 protein

Catalog Number: ATGP2374

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-238aa

### UniProt No.

Q712K3

### NCBI Accession No.

NP\_060281

### Alternative Names

Ubiquitin-conjugating enzyme E2 R2, E2 ubiquitin-conjugating enzyme R2, Ubiquitin carrier protein R2, Ubiquitin-conjugating enzyme E2-CDC34B, Ubiquitin-protein ligase R2, CDC34B, UBC3B

## PRODUCT SPECIFICATION

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### Molecular Weight

29.6 kDa (261aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### 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

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### Description

UBE2R2 is a ubiquitous and pleiotropic Ser/Thr protein kinase involved in cell growth and transformation. This protein is a protein similar to the E2 ubiquitin conjugating enzyme UBC3/CDC34. Studies suggest that CK2-dependent phosphorylation of this ubiquitin-conjugating enzyme functions by regulating beta-TrCP substrate recognition and induces its interaction with beta-TrCP, enhancing beta-catenin degradation. Recombinant human UBE2R2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MAQQQMT SSQKALMLEL KSLQEETVEG FRITLVDES LYNWEVAIFG  
PPNTLYEGGY FKAHIKFPID YPYSPTFRF LTKMWHPIY ENGDVCISIL HPPVDDPQSG ELPSEWNPQ QNVRTILSV  
ISLLNEPNTF SPANVDASVM FRKWRDSKGG DKEYAEIIRK QVSATKAEAE KDGVKVPTTL AEYCIKTKVP SNDNSSDLLY  
DDLYDDDDIDD EEEEEEDADC YDDDDSGNEE S

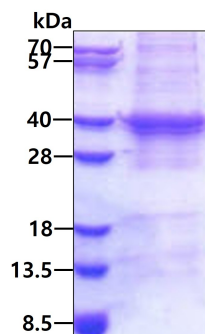
## General References

Yoshida, T., et al. (2010) *Int. J. Mol. Med.* 25 (4), 649-656

Oguri, M., et al. (2006) *Am. J. Hypertens.* 23 (1), 70-77

## DATA

### SDS-PAGE



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