

# Recombinant human Ubc2/UBE2B protein

Catalog Number: ATGP0569

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-152aa

**UniProt No.**

P63146

**NCBI Accession No.**

NP\_003328

**Alternative Names**

Ubiquitin-conjugating enzyme E2 B, E2 ubiquitin-conjugating enzyme B, RAD6 homolog B, RAD6B HR6B, hHR6B, Ubiquitin carrier protein B, Ubiquitin-conjugating enzyme E2-17 kDa, Ubiquitin-protein ligase B, Ubc2

## PRODUCT SPECIFICATION

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**Molecular Weight**

21.4 kDa (188aa) confirmed by MALDI-TOF

**Concentration**

0.5mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

**Purity**

&gt; 90% 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**

uBE2B, also known as ubiquitin-conjugating enzyme E2 B, belongs to E2 ubiquitin-conjugating enzyme family. This protein catalyzes the covalent attachment of ubiquitin to other proteins, and associates to the E3 ligase RAD18 to form the uBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. It is required for postreplication repair of uV-damaged DNA. It may be involved in neurite outgrowth. Recombinant human uBE2B protein, fused to His-tag at N-terminus, was expressed in E. coli and

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purified by using conventional chromatography techniques.

### Amino acid Sequence

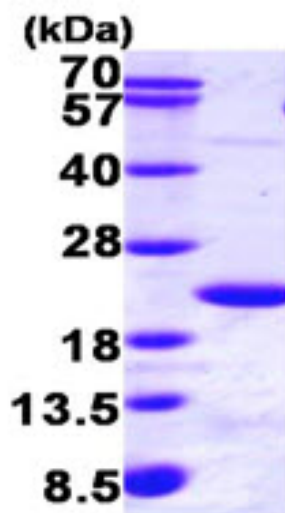
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSTP ARRLMRDFK RLQEDPPVGV SGAPSENNIM  
QWNAVIFGPE GTPFEDGTFK LVIEFSEEYP NKPPTVRFLS KMFHPNVYAD GSICLDILQN RWSPTYDVSS ILTSIQSLLD  
EPNPNSPAN S QAAQLYQENK REYEKRVSAI VEQSWNDS

### General References

Koken MH. et al. (1996) Dev Biol. 173(1):119-32.  
Xin H, et al. (2000) Nucleic Acids Res.. 28(14):2847-54

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)