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# Recombinant human Ubc2/UBE2A protein

Catalog Number: ATGP0555

### **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-152aa

#### **UniProt No.**

P49459

#### **NCBI Accession No.**

NP 003327

#### **Alternative Names**

Ubiquitin-conjugating enzyme E2 A, RAD6 homolog A, RAD6A, HR6A, HR6A, Ubiquitin carrier protein A, Ubiquitin-protein ligase A, UBC2

#### **PRODUCT SPECIFICATION**

# **Molecular Weight**

19.4 kDa (172aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

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

#### **Purity**

> 95% 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**

#### **Description**

ubiquitin-conjugating enzyme E2 A isoform 1, also known as uBE2A is a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is required for post-replicative DNA damage repair. Multiple alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms. Recombinant human uBE2A, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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## **Amino acid Sequence**

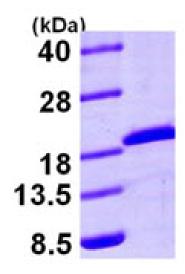
MGSSHHHHHH SSGLVPRGSH MSTPARRRLM RDFKRLQEDP PAGVSGAPSE NNIMVWNAVI FGPEGTPFED GTFKLTIEFT EEYPNKPPTV RFVSKMFHPN VYADGSICLD ILQNRWSPTY DVSSILTSIQ SLLDEPNPNS PANSQAAQLY QENKREYEKR VSAIVEQSWR DC

#### **General References**

Sarcevic B., et al. (2002) EMBO J. 21(8):2009-18. Ciechanover A., et al. (1994) FASEB. 8:182-191.

## **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

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

