# 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, hHR6A, 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

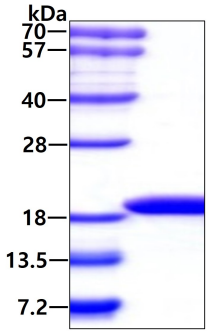
<MGSSHHHHHH SSGLVPRGSH> MSTPARRRLM RDFKRLQEDP PAGVSGAPSE NNIMVWNAVI FGPEGTPFED GTFKLTIEFT EEYPNKPPTV RFVSKMFHPN VYADGSICLD ILQNRWSPTY DVSSILTSIQ SLLDEPNPNS PANSQAAQLY QENKREYEKR VSAIVEQSWR DC

### 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




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