

# Recombinant human Ubch5c/UBE2D3 protein

Catalog Number: ATGP1270

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-149aa

**UniProt No.**

P61077

**NCBI Accession No.**

NP\_871622

**Alternative Names**

Ubiquitin-conjugating enzyme E2 D3, E2 ubiquitin-conjugating enzyme D3, Ubiquitin carrier protein D3, Ubiquitin-conjugating enzyme E2(17)KB 3, Ubiquitin-conjugating enzyme E2-17 kDa 3, Ubiquitin-protein ligase D3, UBC5C, UBCH5C

## PRODUCT SPECIFICATION

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**Molecular Weight**

19 kDa (169aa) confirmed by MALDI-TOF

**Concentration**

0.25mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

**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**

UBE2D3, also known as ubiquitin-conjugating enzyme E2 D3. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This enzyme functions in the ubiquitination of the tumor-suppressor

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protein p53, which is induced by an E3 ubiquitin-protein ligase. Recombinant human UBE2D3 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MLSNRKCLSK ELSDLARDPP AQCSAGPVGDMFMHWQATIM GPNDSPYQGG  
VFFLTIHFPT DYPFKPPKVA FTTRIYHPNI NSNGSICLDI LRSQWSPALT ISKVLLSICS LLCDPNPDDP LVPEIARIYK  
TDRDKYNRIS REWTQKYAM

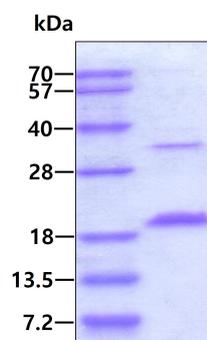
## General References

Gonen H., et al. (1999) *J. Biol. Chem.* 274:14823-14830

Murata S., et al. (2001) *EMBO Rep.* 2:1133-1138

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.