

# Recombinant human UBLCP1 protein

Catalog Number: ATGP3064

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-318aa

### UniProt No.

Q8WVY7

### NCBI Accession No.

NP\_659486

### Alternative Names

Ubiquitin-like domain-containing CTD phosphatase 1, CPUB1

## PRODUCT SPECIFICATION

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### Molecular Weight

39.2 kDa (341aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% 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

UBLCP1 also known as ubiquitin-like domain-containing CTD phosphatase 1. This protein dephosphorylates 26S nuclear proteasomes, thereby decreasing their proteolytic activity. The dephosphorylation may prevent assembly of the core and regulatory particles (CP and RP) into mature 26S proteasome. Recombinant human UBLCP1, 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

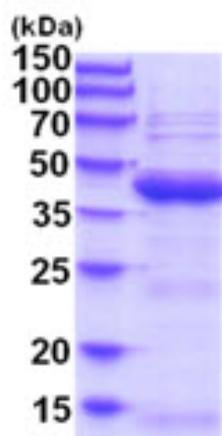
<MGSSHHHHH SSGLVPRGSH MGS>MALPIIV KWGGQEYSVT TLESDDTVLD LKQFLKLTG VLPERQKLLG  
LKVKGKPAEN DVKLGALKLK PNTKIMMMGT REESLEDVLG PPPDNDVVN DFDIEDEVVE VENREENLLK ISRRVKEYKV  
EILNPPREGK KLLVLDVDYT LFDHRSCAET GVELMRPYLH EFLTSAYEDY DIVIWSATNM KWIEAKMKEL GVSTNANYKI  
TFMLDSAAMI TVHTPRRGLI DVKPLGVIWG KFSEFYSKN TIMFDDIGRN FLMNPQNGLK IRPFMKAHLN RDKDKELLK  
TQYLKEIAKL DDFLDLNHKY WERYLSKKQG Q

### General References

Zheng H., et al. (2005) Biochem. Biophys. Res. Commun. 331:1401-1407

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)