

Product datasheet for RC202342

UBLCP1 (NM_145049) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBLCP1 (NM_145049) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UBLCP1
Synonyms:	CPUB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202342 representing NM_145049 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCTCCCTATCATTGTA
AAATGGGGTGGACAGGAGTATTCAGTGACCACACTTTCAGAAGATGATA
CTGTGCTCGATCTCAAACAGTTTCTCAAGACCCTTACAGGAGTTCTCCAGAACGCCAAAAGTTACTTGG
ACTCAAAGTTAAAGGCAAACCTGCAGAAAATGATGTTAAGCTTGGAGCTCTCAAACCTGAAACCAAATACT
AAAATCATGATGATGGAACTCGTGAGGAGAGCTTGAAGATGTCTTAGGTCCACCCCTGACAATGATG
ATGTTGTTAATGACTTTGATATTGAAGATGAAGTAGTTGAAGTAGAAAATAGGGAAGAAAACCTACTGAA
AATTTCTCGCAGAGTGAAAGAGTACAAAGTGAAATTTTGAATCCTCCAGGGAAGGAAAAAGCTTTTG
GTGCTAGATGTTGATTATACATTATTTGACCACAGGTCTTGTGCAGAGACTGGGGTAGAATTAATGCGGC
CATATCTTCATGAATTTCTAACATCTGCCTATGAAGATTATGACATTGTTATTTGGTCTGCAACAAATAT
GAAGTGGATTGAAGCTAAAATGAAAGAGCTGGGAGTGAGCACAATGCAAATTATAAGATTACTTTCATG
TTGGATAGTGCTGCTATGATAACAGTACATACTCCAAGGAGAGGATTAATAGACGTAAAGCCTCTTGGTG
TTATATGGGAAAGTTTTCGGAGTTTTACAGCAAGAAAAACACCATTATGTTTGATGACATAGGGAGAAA
TTTTCTAATGAACCCACAGAATGGACTAAAGATAAGGCCTTTTATGAAAGCGCACCTAAATCGTGATAAA
GACAAAGAAGCTTTTAAAATTAACCTCAGTACCTCAAGGAGATAGCAAATTAGATGACTTTTTGGATCTAA
ATCACAAAATATTGGGAAAGATATCTCTCAAAGAAGCAAGGACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202342 representing NM_145049
Red=Cloning site Green=Tags(s)

MALPIIVKGGQEQYSVTTLSEDDTVLDLKQFLKLTGVLPERQKLLGLKVKGKPAENDVKLGALKLKPNT
 KIMMMGTREESLEDVLPDNDVDFIEDEVVENREENLLKISRVRKEYKVEILNPPREGKLL
 VLDVDYTLFDRSCAETGVELMRPYLHEFLTSAVEDYDIVIWSATNMKWIEAKMKELGVSTNANYKITFM
 LDSAAMITVHTPRRGLIDVKPLGVIWGFSEFYKSKNTIMFDDIGRNFLMNPQNLKIRPFMKAHLNDRK
 DKELLLKLTQYLKEIAKLDDFLDLNHKYWERYLSKKQGG

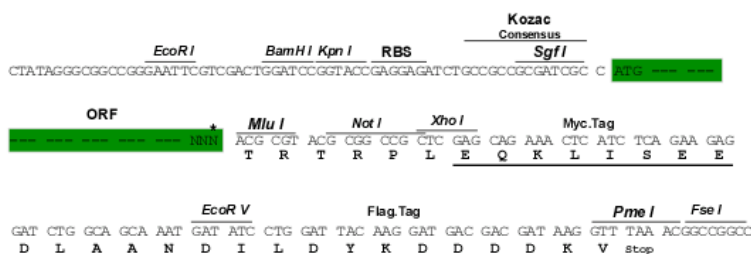
TRTRPLEQKLISEEDLAANDILDYKDDDDK

Chromatograms: https://cdn.origene.com/chromatograms/mg2875_f10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145049

ORF Size: 954 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_145049.5](#)

RefSeq Size: 2178 bp

RefSeq ORF: 957 bp

Locus ID: 134510

UniProt ID: [Q8WVY7](#)

Cytogenetics: 5q33.3

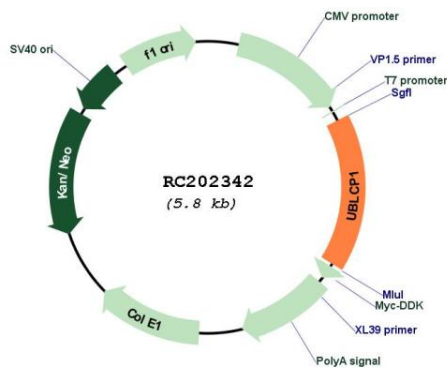
Domains: UBQ, CPDc

Protein Families: Druggable Genome, Protease

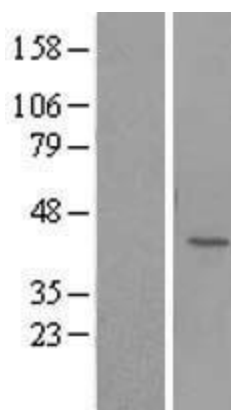
MW: 36.6 kDa

Gene Summary: 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.[UniProtKB/Swiss-Prot Function]

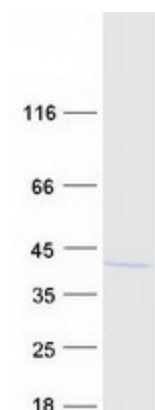
Product images:



Circular map for RC202342



Western blot validation of overexpression lysate (Cat# [LY408066]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202342 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBLCP1 protein (Cat# [TP302342]). The protein was produced from HEK293T cells transfected with UBLCP1 cDNA clone (Cat# RC202342) using MegaTran 2.0 (Cat# [TT210002]).