

Product datasheet for RC201792

UBE2N (NM_003348) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2N (NM_003348) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UBE2N
Synonyms: HEL-S-71; UBC13; UbcH-ben; UbcH13; UBCHBEN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201792 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCCGGGTGCCCCGAGGATCATCAAGGAAACCCAGCGTTTCTGGCAGAACCAGTTCCTGGCATCA
 AAGCCGAACCAGATGAGAGCAACGCCGTTATTTTCATGTGGTCATTGCTGGCCCTCAGGATTCCTCCCT
 TGAGGGAGGGACTTTAACTTGAATTCCTCCAGAAGAATACCAATGGCAGCCCTAAAGTACGT
 TTCATGACCAAAATTTATCATCCTAATGTAGACAAGTTGGGAAGAATATGTTTAGATATTTGAAAGATA
 AGTGGTCCCAGCACTGCAGATCCGCACAGTTCTGCTATCGATCCAGGCCTTGTTAAGTGCTCCCAATCC
 AGATGATCCATTAGCAAATGATGTAGCGGAGCAGTGGAAGACCAACGAAGCCCAAGCCATAGAAACAGCT
 AGAGCATGGACTAGGCTATATGCCATGAATAATATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201792 protein sequence
 Red=Cloning site Green=Tags(s)

MAGLPRRIKETQRLLAEPVPGIKAEPDESNAFYFHVVIAGPQDSPFEGGTFKLELFLPEEYPMAPKVR
 FMTKIYHPNVDKLGRIICLDILKDKWSPALQIRTVLLSIQALLSAPNPDDPLANDVAEQWKTNEAQAIETA
 RAWTRLYAMNNI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6084_b05.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003348

ORF Size: 456 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_003348.4](#)

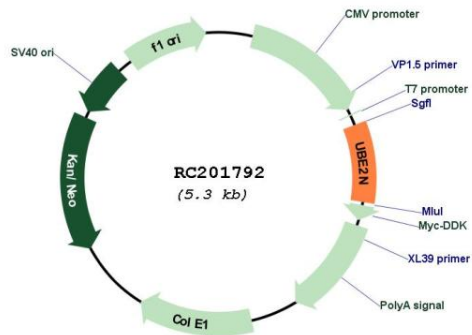
RefSeq Size: 2568 bp

RefSeq ORF: 459 bp

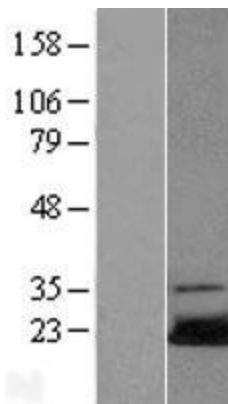
Locus ID: 7334

UniProt ID:	P61088
Cytogenetics:	12q22
Domains:	UBCc
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	17.1 kDa
Gene Summary:	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 gene encodes a member of the E2 ubiquitin-conjugating enzyme family. Studies in mouse suggest that this protein plays a role in DNA postreplication repair. [provided by RefSeq, Jul 2008]

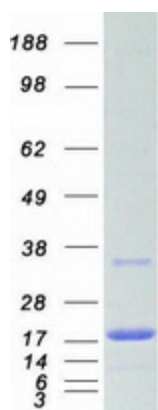
Product images:



Circular map for RC201792



Western blot validation of overexpression lysate (Cat# [LY418741]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201792 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBE2N protein (Cat# [TP301792]). The protein was produced from HEK293T cells transfected with UBE2N cDNA clone (Cat# RC201792) using MegaTran 2.0 (Cat# [TT210002]).