

## Product datasheet for **RC201812**

### **UBOX5 (NM\_014948) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	UBOX5 (NM_014948) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UBOX5
Synonyms:	hUIP5; RNF37; UBCE7IP5; UIP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC201812 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTAATAAATCTTTGCCTCCACAGTTCAGACCAAGAATTCAGTCAACAAGATATCAGCTGATGGTT  
 ACGAAGTAGAAAACTCATCTCTGAAGATCTCACAAAGAGAAGTCATGGTTTCAGGACAGAGTATTCAT  
 TAAGCCACCAGTCTATGTGACAGTTTCATTTCCCTTTAATGTGGAATCTGTAGGATCAACATAGACCTC  
 ACAGCTGGGGGAGGTGAGAACGTCAGTGGCCTGGAAATGTACACATCTGCCTCATCTAGCAGAGTGTCTT  
 GGAATACGCCAGTCCCGGACCCTGGGCCAGCTGAGCCATCTGTCCAGACAAGGAGGCGTTCACCTT  
 GGTAGGCAAAAGTCTTACTGAAAAACCAGAGCCAAGTGGTGTAGCCACAGGGGCTTCAAGGCCAGGCC  
 CCTTTTGGCGGATGGAAGCCACTCCCTCCCTGCTGTTGTGGCCAGGAGCTCTGGAATAAAGGGG  
 CTCTTTCCCTTAGCCACGTGGCCACTTAAGGATCTGTATCACCCATGTGACAGGCGGCGGTATCCCTTG  
 TATCAAGCGGTTGGAAGTGTGGGTGAGCCGCAAGACCTGCTCCAGGAAGTATAGACAGCATCCTG  
 CTGGTACCTCAGAGAACCTGCCTCAGGATGTGGCTCTGCAAGCTCCAGCCTTGCCCATGGAAGTGACT  
 GTGACCCTGGGGACCAGCCTGAGAGCCAGCAGGCTCCCTCCAGCCTGCAGAAGCTGGCCGAGATCATTCA  
 GGATGTGCTGAGGAGTTCCTGGATCCCATCACCTGGAGATCATGCCTGTCCCATGCTGCTGCCCTCA  
 GGCAAGGTATCGACCAGAGCAGTGGAGAAGTGAACCGCAGTGAAGCCACATGGGGCCGAGTGGCCA  
 GTGACCCTTTCACGGGGTAGCTTTTACTCCGCACTCTCAGCCCTGCCTCACCCCTCCCTCAAGGCCCG  
 GATTGACCATTTCTGCTCCAGCACTCCATCCCTGGCTGCCACCTGCTTGGGAGAGCACAGACGGCATTG  
 GCAGTATCCCTTCTCCATTGTTCTGCCCTCAGAAAAGGAAGATAGAGCAGGCTGAACATGTCCCAG  
 ACAGTAACTTTGGTGAATGCTTCTCTGTTTTTCTGCCACAAGCCCTTTGGTCTTACCCACTACCTCAGA  
 GCACACTGCTAAGAAAATGAAAGCCACCAATGAGCCAGCCTGACACATATGGACTGCTCGACAGGTCCA  
 CTGTCCCACGAGCAGAAGCTGTCAAAAGCTTGGAAATTGCCTTGGCATCCACCCTTGGCTATGCCCT  
 CCTTACGGCACGGCTGACCAGGGGACAGCTCCAGCACCTGGCACAAGAGGGAGCAACTTCTGGAG  
 GCCTGGCACCGGCTCGGAGCAGCCTGGGAGCATCTGGGCCCGAATGTGCTCCTGCAAAAAGATATTT  
 TCTCCCTACTTCAAAAAGGAGCCGGTGTACCAGCTGCCCTGCGGCCACCTCCTGTGCCGACCCTGCCTGG  
 GTGAGAAGCAACGCTCCCTGCCATGACGTGCACAGCCTGCCAGCGGCCGTTGTAGCCAAGACGTGCT  
 GCGGGTCCACTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC201812 protein sequence  
 Red=Cloning site Green=Tags(s)

MVINLCLPQFRPRIHCNKISADGYEVENLISEDLTRSHGFRTEYFIKPPVYVTVSFPFNVEICRINIDL  
 TAGGGQNVVTGLEMYTSASSSRVSWNTPQCRTLGAEPSPDKEAFTLVGKVLKQSQVVFVSHRFGKARP  
 PFGAMEATLPSAVVAQELWNKGALSLSHVAHLRICHVHTGGGIPCIKRLEVWQPAKTCSEQEVIDSIL  
 LVTSENLPQDVALQAPALPMESDCDPGDQPESSQAPSSLQKLAEIIQDVPEEFLDPITILEIMPCPMLLPS  
 GKVIDQSTLEKCNRSEATWGRVSDPFTGVAFTPHSQPLPHPSLKRIDHFLQHSIPGCHLLGRAQTAL  
 AVIPSSIVLPSQKRKIEQAEHVPSNFGVNASCFSATSPVLPTTSEHTAKMKATNEPSLTHMDCSTGP  
 LSHEQKLSQSLEIALASTLGSMPSTFARLTRGQLQHLGTRGSNTSWRPGTGSEQPGSILGPECASCKRVF  
 SPYFKKEPVYQLPCGHLLCRPCLGEKQRLPMTCTACQRPVASQDVLRVHF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6581\\_h07.zip](https://cdn.origene.com/chromatograms/mk6581_h07.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_014948

**ORF Size:** 1623 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\\_014948.4](#)

**RefSeq Size:** 4362 bp

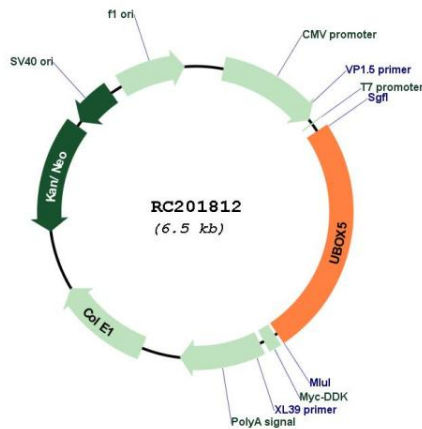
**RefSeq ORF:** 1626 bp

**Locus ID:** 22888

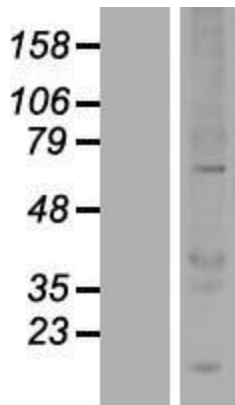
**UniProt ID:** [O94941](#)

**Cytogenetics:** 20p13  
**Domains:** U-box  
**Protein Families:** Druggable Genome  
**Protein Pathways:** Ubiquitin mediated proteolysis  
**MW:** 59 kDa  
**Gene Summary:** This gene encodes a U-box domain containing protein. The encoded protein interacts with E2 enzymes and may play a role in the ubiquitination pathway. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

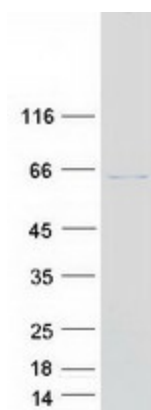
### Product images:



Circular map for RC201812



Western blot validation of overexpression lysate (Cat# [LY414914]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201812 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBOX5 protein (Cat# [TP301812]). The protein was produced from HEK293T cells transfected with UBOX5 cDNA clone (Cat# RC201812) using MegaTran 2.0 (Cat# [TT210002]).