

Product datasheet for **RC238649**

UBOX5 (NM_001267584) Human Tagged ORF Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | UBOX5 (NM_001267584) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | UBOX5 |
| Synonyms: | hUIP5; RNF37; UBCE7IP5; UIP5 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RC238649 representing NM_001267584
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAATAAATCTTTGCCTCCACAGTTCAGACCAAGAATTCAGTCAACAAGATATCAGCTGATGGTT
 ACGAAGTAGAAAATCTCATCTCTGAAGATCTCACAAAGAGAAGTCATGGTTTCAGGACAGAGTATTCAT
 TAAGCCACCAGTCTATGTGACAGTTTCATTTCCCTTTAATGTGGAATCTGTAGGATCAACATAGACCTC
 ACAGCTGGGGGAGGTGAGAACGTCAGTGGCCTGGAAATGTACACATCTGCCTCATCTAGCAGAGTGTCTT
 GGAATACGCCAGTCCCGGACCCTGGGCCAGCTGAGCCATCTGTCCAGACAAGGAGGCGTTCACCTT
 GGTAGGCAAAGTCTTACTGAAAAACCAGAGCCAAGTGGTGTAGCCACAGGGGCTTCAAGGCCAGGCC
 CCTTTTGGCGGATGGAAGCCACTCCCTCCCTGCTGTTGTGGCCAGGAGCTCTGGAATAAAGGGG
 CTCTTTCCCTTAGCCACGTGGCCACTTAAGGATCTGTATCACCCATGTGACAGGCGGCGGTATCCCTTG
 TATCAAGCGGTTGGAAGTGTGGGTGAGCCGCAAGACCTGCTCCAGGAAGTATAGACAGCATCCTG
 CTGGTCACCTCAGAGAACCTGCCTCAGGATGTGGCTCTGCAGGCTCCAGCCTTGCCCATGGAAGTGACT
 GTGACCCTGGGGACCAGCCTGAGAGCCAGCAGGCTCCCTCCAGCCTGCAGAAGCTGGCCGAGATCATTCA
 GGATGTGCTGAGGAGTTCCTGGATCCCATCACCTGGAGATCATGCCTGTCCCATGCTGCTGCCCTCA
 GGCAAGGTATCGACCAGAGCAGTGGAGAAGTGAACCGCAGTGAAGCCACATGGGGCCGAGTGGCCA
 GTGACCCTTTCACGGGGTAGCTTTTACTCCGCACTCTCAGCCCTGCCTCACCCCTCCCTCAAGGCCCG
 GATTGACCATTTCTGCTCCAGCACTCCATCCCTGGCTGCCACCTGCTTGGGAGAGCACAGACGGCATTG
 GCAGTGATCCCTTCTCCATTGTTCTGCCCTCAGAAAAGGAAGATAGAGCAGGCTGAACATGTCCCAG
 ACAGTAACCTTTGGTGTAAATGCTTCTCTGTTTTTCTGCCACAAGCCCTTTGGTCTTACCCACTACCTCAG
 GCACACTGCTAAGAAAATGAAAGCCACCAATGAGCCAGCCTGACACATATGGACTGCTCGACAGGTCCA
 CTGTCCCACGAGCAGAAGCTGTCAAAAGCTTGGAAATTGCCTTGGCATCCACCCTTGGCTATGCCCT
 CCTTACGGCACGGCTGACCAGGGGACAGCTCCAGCACCTTGGCACAAGAGGGAGCAACTTCTGGAG
 GCCTGGCACCGGCTCGGCTGGGAGCATCTGGGCCCCGAATGTGCCTCTGCAAAAGAGTATTTCTCC
 CTACTTCAAAAAGGAGCCGGTGTACCAGCTGCCCTGCGGCCACCTCCTGTGCCGACCCTGCCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238649 representing NM_001267584
 Red=Cloning site Green=Tags(s)

MVINLCLPQFRPRIHCNKISADGYEVENLISEDLTKRSHGFRTEYFIKPPVYVTVSFPFNVEICRINIDL
 TAGGGQNVTLGEMYTSASSSRVSWNTPQCRTLGPAPSVDPKEAFTLVGKVLKLNQSQVVFVSHRFGKARP
 PFGAMEATLPSAVVAQELWNGALSLSHVAHLRICHVHTGGGIPCIRLEVWGPAPAKTCSQVEIDSIL
 LVTSENLPQDVALQAPALPMESDCPGDQPESSQAPSSLQKLAEEIQDVPEEFLDPITLIMPMPMLLPS
 GKVIDQSTLEKCNRSEATWGRVPSDPFTGVAFTHPSQPLPHPSLKHARIDHFLQHSIPGCHLLGRAQTAL
 AVIPSSIVLPSQKRKIEQAEHVPSDNFVGNASCFSATSPVLPTTSEHTAKMKATNEPSLTHMDCSTGP
 LSHEQKLSQSLEIALASTLGSMPSTARLTRGQLQHLGTRGSNTSWRPGTGSWEHPGPRMCLLQKSIIFS
 LLQKAGVPAALRPPVPTLPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

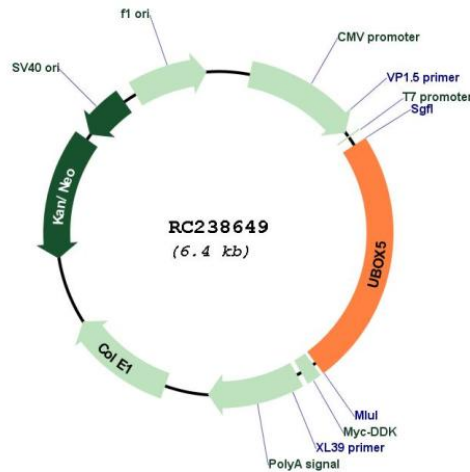
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001267584

ORF Size: 1536 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).

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| Reconstitution Method: | <ol style="list-style-type: none">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_001267584.2 |
| RefSeq Size: | 4357 bp |
| RefSeq ORF: | 1539 bp |
| Locus ID: | 22888 |
| Cytogenetics: | 20p13 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Ubiquitin mediated proteolysis |
| MW: | 55.9 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] |