

## Product datasheet for **RR200676**

### Ubox5 (NM\_001033997) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubox5 (NM_001033997) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubox5
Synonyms:	RGD1305440
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR200676 representing NM\_001033997  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTAATAAATCTTTGCCTCCCTCAGTTCAGACCAAGAATTCAGTCAACAAGGTGTCAGCTGATGGTT  
 ATGAAGTAGAAAACTCATCTCTGAAGACCTCATAAAGAGAAGCCATGGCTTTAGGACAGAATATTTTCAT  
 TAGACCTCCAATCTACGTGACAGTTTCCTTTCCCTTTAATGTGGAGATCTGTAGGGTTAACATAGATCTC  
 ACAGCTGGGGGATGTCAGAATGTCAGTGGCTGGAATTATATACTTCTGCCTTATCTAGCAGAGCCCTC  
 AGGATGCACAGGACTGCTGGACTACAGTCTGAGCGAGACATCTGTCCCAGACAAGGAGGCCCTTACCTT  
 GGTAGGCAAAGTCTTACTGAAAAACCAGAACCATGTAGTGTTCAGTACAGGGGCTTCAAGGCCAGGCCA  
 CCTTTTCAGTCCAATGGAAGTCACACTCCTCTCCTGCTGTTGTAGCGCAGGATCTCTGGAATAAAGGGG  
 CTTTTCCCTCAGCCATGTGGCCACCTCAAGATCGGCATCACCCATGTGACAGGCAGTGGCATCTCTTG  
 CATCAAGCGTTTAGAGGTGTGGGTGAGCCAGCCAGGACCTGCTCTCAGGAGGTGATAAATAGCATCTTG  
 TCGACAGCCTCAGAAAGCCCTTCTCAGGACTTGGGTCTGCACACTCCAGCCTTGCCCATGGAGAGTGACT  
 ATGACCCTGGGGGTCAATCTGAGGGCCAGCAGTCTCCCTGTACCTTACAGGACATGTCTGAGGTCGTTCA  
 AGACGTGCCAGAGGAGTTCTGGATCCTATCACCTGGAGATCATGCCGTGCCCATGCTTCTGCCCTCG  
 GGCAAGGTCATTGACCAGAGCACTCTGGAGAAGTGAACCTCAGTGAAGTGTCTGGGGCCGAGTGCCCA  
 GTGACCCTTTCACAGGGTTAGCCTTACTCCACAGTCCCAGCCCTACCTCATCCTTCTTAAAGGCCCG  
 GATCGACCGTTTCTACTCCAACACTCTATTTCAAGGCTGCCACCTGCTTGGGAGAGCACAGACTGCATCA  
 GCAATGACCCCTTCTATCATCACTCTGCCCTCAAGGAAAAGGAAGACAGGGCAGGCTGAGCACAGCTCAG  
 ACTATAGTCTTGGCATGAAGGCTTCTTCCCTGCCACAAGCCCTTACTCTCACCTACTACCTCAGAGCC  
 GACTGCCAAGAAGATGAAAGGTGCCAGCGAACTGGGCCCTGACAGACATGGACTGTTGAGCAGGTCCCGTG  
 TCCCATGAGCAGAAGCTGTGCGAAAGTCTGAAAATTGCCCTGACTTCCACCCTTGCTCCATGCCTTCT  
 TCACTGCCCGGCTCACCAAGGGGAGCTCCAGTGGGCACAAGAGGGAGCAGTGTGTCAGGAGGCCAGC  
 CACCAGCTCCGAGCTTCAAGGAGTGTGGCCAGAGTGTGCTCCTGCAGACGAGTGTCTTCTTCTTCTAC  
 ACCACCAATGAGCCTGTGTACCAGCTGCCCTGTGGCCACCTTCTGTGCCACCCTGCCTGAGTGAGAAGC  
 AACGTTCCAGCCATGATGTGCACAGCCTGCCAGCAGCCGGTACCAGCCAGGATGTGCTGCGGGTCCA  
 TTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200676 representing NM\_001033997  
 Red=Cloning site Green=Tags(s)

MVINLCLPQFRPRIHCNKVSADGYEVENLISEDLIKRSHGFRTEYFIRPPIYVTVSFPFNVEICRVNIDL  
 TAGGCQNVVTGLELYTSALSSRAPQDAQDCWTTGLSETSVDPKEAFTLVGKVLKQNHVVFVSHRFGKARP  
 PFSPEVTLTLLSPAVVAQDLWNGAFSLSHVAHLKIGITHVTGSGISCIKRLEVWQPARTCSQEVINSIL  
 STASESPSQDLGLHTPALPMESDYDPGGQSEGQQSPCTLQDMSEVVQDVPEEFLDPITILEIMPCMLLPS  
 GKVIDQSTLEKCNLSEAAWGRVPSDPFTGLAFTPQSQPLPHPSLKRIDRFLQHSISGCHLLGRAQTAS  
 AMTPSIIITLPSRKRKTGQAEHSSDYSLGMKASSATSPLLSPPTTSEPTAKKMKGASELGLTDMDCSAGPV  
 SHEQKLSQSLEIALTSTLGSMPSTFARLTKGQLQLGTRGSSACRRPATSSSELPRSAGPECASRRVFSY  
 TTNEPVYQLPCGHLLCRPCLSEKQRSQPMCTACQPVTSDVLRVHF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001033997

**ORF Size:** 1614 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\\_001033997.1](#), [NP\\_001029169.1](#)

**RefSeq Size:** 3686 bp

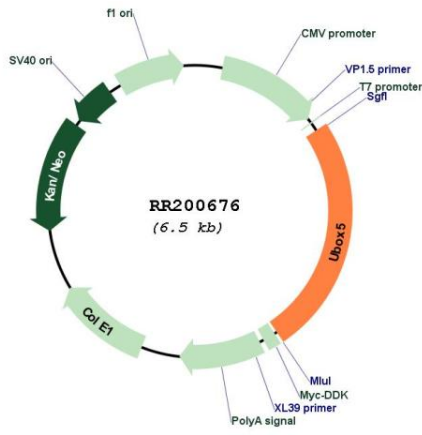
**RefSeq ORF:** 1617 bp

**Locus ID:** 296161

**Cytogenetics:** 3q36

MW: 58.4 kDa

Product images:



Circular map for RR200676