

## Product datasheet for **MR208613**

### Ubox5 (NM\_080562) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubox5 (NM_080562) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubox5
Synonyms:	1500010O06Rik; C330018L13Rik; Rnf37; Ubce7ip5; Ube7ip5; UIP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208613 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTAGTAAATCTTTGCCTCCACAGTTCAGACCAAGAATTCAGTCAACAAGGTGTCAGCTGATGGTT  
 ACGAAGTAGAAAATCTCATCTCTGAAGACCTCATAAAAAGAAGCCATGGCTTTAGGACAGAGTATTCAT  
 TAGACCTCCAATCTATGTGACAGTTTCCTTTCCCTTTAATGTGGAATCTGTAGGGTTAATATAGATCTC  
 ACAACTGGGGATGTCAGAATGTCTCTGGCCTGGAATTATATACATCTGCCTTATCTAGCAGAGTCTCTC  
 AGGATGCCAGGACTGCTGGACTACAGGCCGGTGGAGACATCTGTCCAGACAAGGAGGCCCTTACCTT  
 GGTAGGCAAAGTCTTACTGAAAAACCAGAACCATGTGGTGTTCAGCCACAGGGGCTTCAAGGCCAGGCCA  
 CCTTTTAGCCGATGGAAGTCACTCTCCTCTCCTGCTGTTGTAGCCAGGAATCTGGAATAAAGGGG  
 CTCTTTCCCTTAGCCATGTGGCCACCTCAAGATCGGCATCACCCATGTGACGGGAGTGGCATCTCTTG  
 CATCAAGCGTTTAGAGGTGTGGGTGAGCCAGCCAGGACCTGCTCTCAGGAGGTGATAAATAGTGTCTTG  
 TTGATAGCCTCAGAAAGCCTGCCTCAGGACTTGGATCTGCATGCTCCAGCCTTGCCCATGGAGAGTGACT  
 GTGACCCTGGGGTCACTGAGAGCCAGCACTCTCCCTGTACCTTACAGGACATGTCTGAGGTGAAAAG  
 TGACGTTCCAGAGGAGTTCCTGGATCCTATCACCTGGAGATCATGCCATGCCCATGCTGCTGCCCTCA  
 GGCAAGGTCATTGACCAGAGCACTCTGGAGAAGTGAACCTCAGTGAAGTGTCTGGGGCCGAGTGCCCA  
 GTGACCCTTTCACAGGGCTAGCCTTACTCCACAGTCCCAGCCCTCCCTCATCCTTCCCTGAAAGCCCG  
 GATCGACCGGTTCTACTCCAGCACTCTATTTAGGCTGCCGCTGCTTGGGAGAGCACAGACTCCATCA  
 GCAATGACCCCTTCTGTATTACCCTGCCCTCAAGGAAAAGGAAGACAGAGCAGGCTGAACACAGCTCAC  
 ACTACAGCCTTGGCATGAGTGCCTTCCCTGCCACAAGCCCTTATTCTCACCTACTACTCAGAGCC  
 AACTGCCAAGAAGATGAAAGCCACCAGTGAGCTTGGCCTGACGGACATGGACTGTTGAGCAGGTCCAGTG  
 TCCCATGAGCAGAAGCTGGCGCAAAGTCTGAAAATTGCCCTGACTTCTACCTTGCTCCATGCCTTCT  
 TCACTGCCCGGCTCACCAAAGGGCAGCTCCAGCTGGGCACAAGAGGGAGCAGTGTCTGAGGAGGCCAGC  
 CTCCAGCTCCGAGCATCCAAGGAGTGTCTGAGCCAGAGTGTGCTCCTGCAAACAAGCATTTTCTTCC  
 TACTCCACAAATGAGCCTGTGTACCAGTGCCTGTGGTACCTTCTGTGCCGACCCTGCCTGAGTGAGA  
 AGCAACGTTCCAGCCCATGATGTGCACAGCCTGTGGCAGCCAGTCACCAGCCAGGATGTGCTGCGGGT  
 CCATTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208613 protein sequence  
 Red=Cloning site Green=Tags(s)

MVNLCLPQFRPRIHCNKVSADGYEVENLISEDLIKRSHGFRTEYFIRPPIYVTVSFPFNVEICRVNIDL  
 TTGGCQNVSGLELYTSALSSRVSQDAQDCWTTGPVETSVPDKEAFTLVGKVLLKNQNHVVFSHRGFKARP  
 PFSPEVTLTLLSPAVVAQELWNKGALSLSHVAHLKIGITHVTGSGISCIKRLEVWQPARTCSQEVINSVL  
 LIASESLPQDLDLHAPALPMESDCDPGGQSESQHSPTLQDMSEVESDVPEEFLDPITLIMPCCMLLPS  
 GKVIDQSTLEKCNLSEAAWGRVSDPFTGLAFTPQSQPLPHPSLKRIDRFLQHSISGCRLLGRAQTPS  
 AMTPSVITLPSRKRKTEQAEHSSHYSLSGMSASSATSPLFSPTTSEPTAKMKATSELGLTDMDCSAGPV  
 SHEQKLAQSLEIALTSTLGSMPSTFARLTKGQLQLGTRGSSACRRPASSEHPRSVSGPECASCKQAFSS  
 YSTNEPVYQLPCGHLLCRPCLSEKQRSQPMCTACRQPVTSDVLRVHF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_080562

**ORF Size:** 1620 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\\_080562.1](#), [NM\\_080562.2](#), [NM\\_080562.3](#), [NM\\_080562.4](#), [NM\\_080562.5](#), [NP\\_542129.2](#)

**RefSeq Size:** 3758 bp

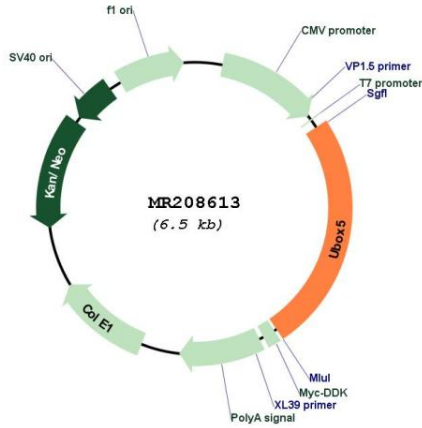
**RefSeq ORF:** 1620 bp

**Locus ID:** 140629

**UniProt ID:** [Q925F4](#)

**Cytogenetics:** 2  
**MW:** 58.7 kDa  
**Gene Summary:** May have a ubiquitin-protein ligase activity acting as an E3 ubiquitin-protein ligase or as a ubiquitin-ubiquitin ligase promoting elongation of ubiquitin chains on substrates. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208613