

## Product datasheet for **MR206771**

### Ubr7 (NM\_025666) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubr7 (NM_025666) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubr7
Synonyms:	5730410I19Rik; AA589405; AW557761
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206771 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGGAGCCGAGAGCCCCACCGAGTGCCAGGCGGAGCTGGAGCCCGTGGTGTGCTGGTGGACGTGC  
 TCGAGGAAGACGAGGAGTTGGAGAATGAGGCGTGCGCCGCTCTGGGCGGAGCAGCTCGGAGAAGTGCTC  
 TACTCGCAGGGCTCAGTGGGGAGACAAGCACTGTACGCCTGCAGCACCTGCACGCCAGAGGGAGAAGAG  
 CCCGCAGGGATTTGTCTAGCTTGCAATACGAATGTCATGGAAGCCATAAACTGTTTGAACATAACAA  
 AAAGAAATTTTCGTTGTGATTGTGAAACAGCAAGTTAAAACTTGAATGCAAATTTCTGACAA  
 ATCAAAGTAAATTTTGAATAAGTACAATGACAACCTTTTTGGATTACTGCGTTTGAAGAGACCT  
 TATCCTGATCCTGAAGATGAGGTCCAGATGAGATGATACAGTGTGTGGTCTGTGAAGACTGGTTCCATG  
 GCAGGCATCTTGGTGCCATCCCCCTGAGAGTGGGGATTCCAGGAGATGGTGTGCCAGGCTTGTATGAG  
 GCGCTGTTCTTTCTGTGGGCTTATGCTGCCAGTTGGCAGTACCAGGATATCTGCTGAAGATGATGGG  
 CTGCTGCCAAATGCTACTGGCATGGGAGATGAAGATGTTAGCAAGCCTGAAAATGGAGCTCCCCAAGATA  
 ATGGCCTGAAAGAGGATGCTCCCGAGCATGGCAGGGATTCTGTCAACGAGGTGAAAGCTGAGCAGAAGAA  
 CGAGCCCTGCAGCAGCTTAGTTCTGAGTCTGACCTCCAGACAGTGTAAAGAAAGAAAATCAAACT  
 GAGCCACAGTCCAGCTGCAGACTTCAGGAACCCAAGCCAAGCAGTTTGTAAAGAAAGATGCTGCCACCT  
 ATGGCCCTTGAAGTGGCGCAGCAAACTATGCACCTGTCAAGACTGTATGAAAATGTATGGAGAAGTAGA  
 CGTCTGTTCTGACAGATGAATGTGATACAGTCTGGCTTATGAGAACAAGGCAAGAAGCAGCAGGCA  
 ACTGATAGAAGGGACCCTTAATGGACACCTTAGCAGCATGAATAGAGTCCAGCAAGTGGAGCTCATCT  
 GTGAATACAATGACTTGAAGACTGAACCTAAGGACTACCTGAAGAGATTTGCTGATGAAGGCACGGTTGT  
 TAAGAGAGAAGACATTCAGCAGTCTTTGAAGAGTTTCAATCAAAAAGAGAAGGCGAGTGGACGGTTA  
 CAGTATTACTGCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206771 protein sequence  
 Red=Cloning site Green=Tags(s)

MAGAESPTQCQAELEPVVSLVDVLEEELENEACAVLGGSDSEKCSYSQGSVGRQALYACSTCTPEGEE  
 PAGICLACSYECHGSHKLFELYTKRNFRCDCGNSKFKNLECKLFPDKSKVNSCNKYNDNFFGLYCVCKRP  
 YPDPEDEVPMEDIQCVVCEWDFHGRHLGAIPPESGDFQEMVCQACMRRCFLWAYAAQLAVTRISAEDDG  
 LLPNATGMGDEDVSKPENGAQDNLKEDAPEHGRDSVNEVKAQKNEPCSSSSSEDLQTVFKKENIKT  
 EPQSSCRLELQAKQFVKKDAATYWPLNWRSLCTCQDCMKMYGELDVLFLTDECDTVLAYENKGNKNDQA  
 TDRRDPLMDTLSSMNRVQQVELICEYNDLKTDLKDYLRKFADEGTVVKREDIQFFEEFQSKRRRVDGL  
 QYYCS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_025666

**ORF Size:** 1278 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\\_025666.2](#), [NP\\_079942.1](#)
**RefSeq Size:** 3247 bp

**RefSeq ORF:** 1278 bp

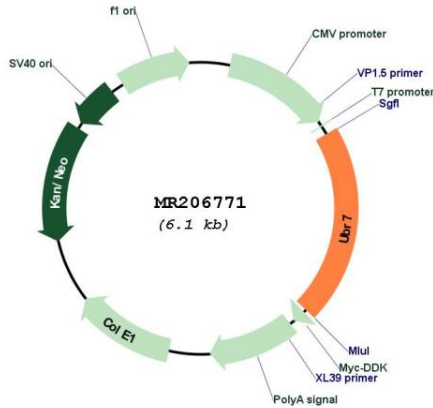
**Locus ID:** 66622

**UniProt ID:** [Q8BU04](#)
**Cytogenetics:** 12 E

**MW:** 48.1 kDa

**Gene Summary:** E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206771