

## Product datasheet for **MC224911**

### Ubr1 (NM\_009461) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubr1 (NM_009461) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ubr1
Synonyms:	A1504731
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224911 representing NM_009461 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGACGAAGAGATGGACGGCGCCGAGAGGATGGACGTCAGCCCGGAGCCTCCCTGGCCCCGAGC  
GGCCGGCATCGTGGTGGGATCAGCAAGTTGATTTCTATACTGCTTCTTACATCATTGGCACAATTAGT  
GCCAGAAATTTATTTGCTGAGATGGACCCAGATTTGGAAAAGCAAGAAGAGAGTGTACAGATGTCAATA  
CTCACTCCTTTGGAGTGGTACTTATTTGGAGAGGATCCGGATATTTGCTTAGAGAAATTAACACAGTG  
GAGCGTCCAGTTGTGTGGGAAGTTTTCAAAGTGGAGAAACAACATATTCCTGTAGGGATTGTGCAAT  
TGATCCAACGTGTGTGCTCTGTATGGACTGCTTCCAAAGTAGTGTTCATAAAAACCATCGTTACAAGATG  
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TGGATCACGAGCCTGGAAGAGCAGGTAACAAAAGAGAGCTTACATTGCCATTGAATGAAGAGGTGAT  
TGCTCAAGCCAGGAGAATATCCCTTCGGTGATAAAAACATTGTAGAAATGACTATATGGGAAGAAGAA  
AAGGAATTGCCTCCTGAAGTGCAGATAAGGGAGAAAAATGAACGATACTATTGTGCTTTTTCAACGATG  
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GCTGCACACGACTGCCATCGACAAAGAGGGTCCCGGGCTGTCAAAGCAGGTGTGTATGCCACTTGCCAG  
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ACAGAACGATTAAGAGCGCAGTTCTGGAAGGTTCCGGTCTTTTCTGAAGATTCTACCTGTATGCAGG



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GAATGGAAGAAATCAGAAGACAAGTTGGACAACACATTGAAGTGGACCCTGACTGGGAGGCTGCCATCGC  
TATACAGATGCAACTAAAGAATATTTTGTCTCATGTTCCAAGAGTGGTGTGCTTGTGATGAAGATCTCTTA  
CTGGTGGCTTATAAAGAAATGTCACAAAGCTGTAATGAGGTGCAGTACAAATTTTATGTCCAGTACCAAGA  
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ACACCTGCCACTCTAGAACACTTGTGGTCTTCATGTACGTTAAGCAGACTAGGTGCTATTTCAAGA  
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GGTGTGACGTGCATCCTCTGCCAAGAAGAACAAGAGGTGAAACTAGAAAATAACGCCATGGTATTGTCA  
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TTCACCATCCAGGCAATCGAAAACCTGTTGGGAGATGAAGGAAAACCTCTATTGGAGCACTTCAAATA  
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GATACACAAAATCTGGCTCGGCTCCTGTCAGTTATTCTTCTAACCTGCAATCAGAAAAACACCAGGC  
CTTCTGTCCGTGGATCTTCCATGTTCTGGTGGCGCAGTCTTAGCGTCCCATCCTTGTATTGGGATG  
ACACCGTGGATCTGCAGCCGTCAACACTTAGTTCTTATATAACCACCTCTATCTCTTCCATCTGATCAC  
CATGGCGCACATGCTTCAGATACTCCTTACAACAGATACAGATCTGTCTTTCAGGGCCGCCCTTGTGAG  
GGTGAAGAGGATAGTGAAGAGGCTCGTGTGCATCTGCTTTCTTGTGGAAGTGTGCAGCACACAGACG  
GCCTCGTGGGTGCGGTGCTCCCGGCTGGTACCTGTGGCTCTCCCTGAGGAACGGCATCACCCCTTACCT  
CCGCTGTGCTGCACTGCTTTTCCACTATTTACTTGGAGTAGTCCGCTGAAGAAGTGTGGCAATTTCT  
GCTGAAGGAGAATTCAGTGCCTCTGTAGCTATCTATCTTTACCCACAAATTTGTTCTGCTTTTCCAGG  
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GCAGAAAAGTGTGTGGTCAAGTACCCTAGAAAAGAAAATAGTTTGTATAGAGCTTCTGAGGACTACAGC  
TGTCTTCTAAATCAGGCTTCTCACTTTAGGTGTCCACGGTCTGCAGATGATGAGCGAAAGCATCCTGTCC  
TCTGTCTTTTCTGTGGGGCCATCCTGTGTTCTCAGAACATCTGTTGCCAAGAAATAGTGAATGGGGAAGA  
GGTTGGAGCGTGCCTTTTTCATGCGCTTATTGTGGTGTGGAGTCTGCATTTTCTTAAAAATCCGAGAA  
TGCAGGGTGGTCTGGTGAAGGAAAAGCCAGAGGCTGTGCCTACCCAGCCCTTACTTGGATGAATATG  
GAGAAACAGACCCAGGGCTAAAGAGAGGAAACCACTTCAATTTATCTCGGGAGCGGTATCGGAAGCTGCA

TTTGGTCTGGCAACAGCACTGCATTATAGAAGAGATTGCTCGGAGCCAGGAGACTAATCAGATGCTATTT  
GGATTCAACTGGCAGTTACTCTGA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_009461
<b>Insert Size:</b>	5274 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_009461.2</a></u> , <u><a href="#">NP_033487.2</a></u>
<b>RefSeq Size:</b>	7765 bp
<b>RefSeq ORF:</b>	5274 bp
<b>Locus ID:</b>	22222
<b>UniProt ID:</b>	<u><a href="#">O70481</a></u>
<b>Cytogenetics:</b>	2 60.37 cM
<b>Gene Summary:</b>	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. May be involved in pancreatic homeostasis. Binds leucine and is a negative regulator of the leucine-mTOR signaling pathway, thereby controlling cell growth (By similarity).[UniProtKB/Swiss-Prot Function]