

## Product datasheet for **MC206372**

### **Rbck1 (BC034555) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rbck1 (BC034555) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbck1
Synonyms:	Ubce7ip3, UIP28
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC034555  
 GGAGTCGGCCGGGTGGGGGAGAGGGGGGGATCATGGGTCCCTAGACCAAGTGACTCTGGTCCGCCAAC  
 CAAGTGTGGCGCAAAGTGCCAGGAGCAGTCTAGAGGTCTGCCCCAGTTGGTGACCCTGCAGAGTCTCGG  
 GTTACCTCAAAGTAGCGTTTTCCGGAAGCAGCAGCCCTTCTGAGGGGATGGGCGCAGCCAGGCCAGATG  
 GACGAGAAGACCAAGAAAGCAGAGGAGATGGCCCTGAGCCTTGCCCGGCAGTGGCTGGCGGAGATGAAC  
 AGGCTGCTATCAAGTATGCCACCTGGCTGGCAGAGCAGAGGTGCCCTCAGGGTGAAGTAAAACCCGA  
 GGTCCTCCCAACACAGGACATCAGGCTCTGTGTAGTGTGGAGGATGCGTACATGCACACCGTCACCATT  
 TGGCTCACAGTACGCCCGGATATGACAGTGGCCTCCCTTAAGGACATGGTATTCTGGACTATGGCTTCC  
 CACCTAGCTGCAGCAGTGGGTGGTGGACAGAGGCTGGCACGAGACCAGGAGACCTTGCAATTCACACGG  
 CATTTCGGCGGAATGGAGACGGTGCCTATCTCTACCTGCTGTGACCCGCAACACGTCACCTCAACCCACA  
 GAGCTGCAGCGGACGGCAACTGCGAATGTTGGAAGATTTGGGCTTCAAGGACCTACCCTTCAGTCAC  
 GGGGGCCCTTGGAACTGTCTTCCGAAGCCAGGACCAACCAGGAGCCGGGACAGCCAGATGCAGCACC  
 GGAGTACCACCGGTGGCTGGCAGTGCCTGGCTGCACTTTTCAACAACCCACACGGCCTGGGTGT  
 GAGATGTGCTGTGTCGAAGCCTGAGACCTACCAGATACCTGCTTCATACCAGCCTGACGAGGAAGAGC  
 GAGCACGCTGGCCGGCAGGAGGAGGCGCTGCCCAGTACCAGCAGCGAAACAGCAGCAGCAGGAGGG  
 GAACTACCTGCAGCACGTGCAGCTGGAGCAGAGGAGCCTGGTGCTGAACACCGAACTACTGAGTGCCTT  
 GTGTGCTACTCAGTGTGGCACCCGGCAGGCGCTGGTGCTGCGTGAGTGTCTGCACACCTTCTGCAGGG  
 AGTGCCTGCAGGGCACCATCCGAAACAGCCAGGAGGCGGAGGTGGCTTGCCTTTCATTGACAGCACCTA  
 CTCATGCCCGGCAAGCTGCTGGAGAGAGAGATCCGGGCGCTCCTGTCCCTGAGGACTACCAGCGTTTC  
 CTGGATCTGGGTGTGCCATCGCAGAGAACCGAAGCACCTTGAGTACCCTGCAAGACCCCGACTGCA  
 GGGGTTGGTGCTCTTTGAGGATGATGTCAACGAGTTCACCTGTCTGTGTCACCCGTGCAACTGCCT  
 GCTCTGCAAGGCCATCCATGAGCACATGAATTGCAGGGAGTACCAAGACGACCTGGCCCTGCGGGCTCAG  
 AATGATGTGGCTGCCCGCAGACGACAGAGATGCTAAAGTAATGCTGCAGCAGGGCGAGGCCATGCAT  
 GCCCACAGTGCCCGATTGTGGTGCAGAAGAAGGACGGCTGTGACTGGATCCGCTGTACAGTCTGCCACAC  
 TGAGATCTGCTGGGTACCAAGGCCACGCTGGGGCCAGGGGCCAGGGGACACCAAGTGGTGGCTGC  
 CGCTGCCGGTCAATGGGATTCCATGCCACCAAGCTGTCAAACTGCCACTAAGTCGACGATGGTGGCT  
 CTCATACTGACCCAGCCACATGTATAGCAGTGAACAGCAGGGCTAGGCAAGGGACTGGCTGGTTTGG  
 CCCCATACCTTTAGGCTTGGTAAGGGAGAAAGCCCGAGCTGACTGCAGTCTGATTGCTGTGTACAAGG  
 ACCCAGCTGAGCTGATGTATTGCACTGCCTCTGTTGCTTCTGGCTGACCAGACCTCATGGCCTGCAC  
 TAGACACCCGACCCTTACTAGCCACCAGCCTTAATTAACACGGCCTTGGCTAAGGCTGGCTGGCTAG  
 TGCTCTGAGTACTCTATTTCCCTGAGCTTGCTCCCTGAGGACCCACCAGCCTCATCTTTGCCTTG  
 CTGGCTTTCTGGCAGCTTAAAGCTGATGTGAATCCATCCAGGCCTAGGTAGATTGGTAAGTACAGGA  
 AACAGCCCATGGGGTTCAGCTCTGCATCCTCTTTAAGTGAATTAAGTGGTTTTCCAGAAAAAAAAA  
 AA  
 AA

**Restriction Sites:** RsrII-NotI

**ACCN:** BC034555

**Insert Size:** 1497 bp

**OTI Disclaimer:** 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).

**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:** [BC034555](#), [AAH34555](#)

**RefSeq Size:** 2370 bp

**RefSeq ORF:** 1497 bp

**Locus ID:** 24105

**Cytogenetics:** 2 G3

**Gene Summary:** E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, such as UBE2L3/UBCM4, and then transfers it to substrates. Functions as an E3 ligase for oxidized IREB2 and both heme and oxygen are necessary for IREB2 ubiquitination. Promotes ubiquitination of TAB2 and IRF3 and their degradation by the proteasome. Component of the LUBAC complex which conjugates linear ('Met-1'-linked) polyubiquitin chains to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex. Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis. Binds polyubiquitin of different linkage types (By similarity). [UniProtKB/Swiss-Prot Function]