

## Product datasheet for **MC228090**

### **Rbck1 (NM\_019705) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rbck1 (NM_019705) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbck1
Synonyms:	AL033326; HOIL-1; HOIL-1L; Ubce7ip3; UIP28
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228090 representing NM\_019705  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACGAGAAGACCAAGAAAGCAGAGGAGATGGCCCTGAGCCTTGCCCGGGCAGTGGCTGGCGGAGATG  
 AACAGGCTGCTATCAAGTATGCCACCTGGCTGGCAGAGCAGAGGGTGCCCTCAGGGTGCAAGTAAACCC  
 CGAGGTCTCCCAACACAGGACATCAGGCTCTGTGTGAGTGTGGAGGATGCGTACATGCACACCGTCACC  
 ATTTGGCTCACAGTACGCCCGGATATGACAGTGGCCTCCCTTAAGGACATGGTATTCCTGGACTATGGCT  
 TCCACCTAGCCTGCAGCAGTGGTGGTGGACAGAGGCTGGCACGAGACCAGGAGACCTTGCAATCACA  
 CGGCATTCGGCGGAATGGAGACGGTGCCTATCTACCTGCTGTCAGCCCGCAACACGTCACTCAACCCA  
 CAAGAGCTGCAGCGGCAGCGCAACTGCGAATGTTGGAAGATTTGGGCTCAAGGACCTCACCTTCAGT  
 CACGGGGGCCCTTGGAACTGTCCTTCCGAAGCCAGGACCAACCAGGAGCCGGGACAGCCAGATGCAGC  
 ACCGGAGTCAACACCGGTGGGCTGGCAGTGCCTGGCTGCACTTTCATCAACAAACCCACACGGCCTGGG  
 TGTGAGATGTGCTGTCGTGCAAGGCCTGAGACCTACCAGATACCTGCTTCATACCAGCCTGACGAGGAAG  
 AGCGAGCACGCCTGGCCGGCAGGAGGAGGCGCTGCGCCAGTACCAGCAGCGAAACAGCAGCAGCAGGA  
 GGGAACTACCTGCAGCAGTGCAGCTGGAGCAGAGGAGCCTGGTGTGAACACCGAACCTACTGAGTGC  
 CCTGTGTGCTACTCAGTGTGCCACCCGGCAGGCCGTGGTGTGCTGCGTGTGCTGCACACCTTCTGCA  
 GGGAGTGCCTGCAGGGCACCATCCGAAACAGCCAGGAGGCGGAGGTGGCTTGCCCTTCATTGACAGCAC  
 TACTCATGCCCGGCAAGCTGCTGGAGAGAGAGATCCGGGCGCTCCTGTCCCCTGAGGACTACCAGCGT  
 TTCTGGATCTGGGTGTGCCATCGCAGAGAACCAGCACCTTGAGCTACCAGTCAAGACCCCGTCAACTG  
 GCAGGGTTGGTGTCTTTTGGAGTGTCAACGAGTTCACCTGTCTGTGTCACCCGTGTCAACTG  
 CCTGCTCTGCAAGGCCATCCATGAGCACATGAATTGCAGGGAGTACCAAGACGACCTGGCCCTGCGGGCT  
 CAGAATGATGTGGCTGCCCGGCAGACGACAGAGATGCTAAAGGTAATGCTGCAGCAGGGCGAGGCCATGC  
 ACTGCCACAGTCCGGATTGTGGTGCAGAAGAAGGACGGCTGTGACTGGATCCGCTGTACAGTCTGCCA  
 CACTGAGATCTGCTGGGTACCAAGGGCCACGCTGGGGCCAGGGGGCCAGGGGACACCAGTGGTGGC  
 TGCCGCTGCCGGTCAATGGATTCCATGCCACCAAGCTGTCAAACCTGCCACTAA

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_019705
- Insert Size:** 1527 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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).

<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>	<a href="#">NM_019705.3</a> , <a href="#">NP_062679.2</a>
<b>RefSeq Size:</b>	2251 bp
<b>RefSeq ORF:</b>	1527 bp
<b>Locus ID:</b>	24105
<b>UniProt ID:</b>	<a href="#">Q9WUB0</a>
<b>Cytogenetics:</b>	2 G3
<b>Gene Summary:</b>	<p>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).</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).</p>