

## Product datasheet for **RN202344**

### **Klh17 (NM\_001012187) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Klh17 (NM_001012187) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Klh17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN202344 representing NM\_001012187  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCACCTCGGGCGTGGAGAAGAGTAGCAAGAAGAAAACCGAGAAGAACTTGGCGCTCGCGAAGAAG  
 CCAAGCTGCTGGCGGGTTCATGGGCGTCATGAACAACATGAGGAAGCAGAGAACATTATGTGATGTGAT  
 CCTCATGGTCCAGGAAAGAAAGATACCTGCTCACCGTGTGTCTCGGCTGCAGCCAGTCACTTCTTTAAC  
 TTAATGTTCACTAACAATGCTTGAGTCTAAGTCCTTCGAAGTAGAACTCAAAGATGCCGAGCCTGATA  
 TTATTGAACAGCTGGTGAATTCGCTACACTGCGAGAATTTCTGTGAATAGCAACAATGTTTCAGTCTTT  
 GTTAGATGCAGCAAACTAGTACCAGATTGAGCCTGTGAAGAAAATGTGTGTTGATTTTTGAAAGAACA  
 GTTGATGCTTCAAATTGCTTGGTATAAGTGTGCTTGGGAGTGTCTGGACTGTCCCGAGCTGAAGTCTA  
 CAGCCGACGACTTCATCCATCAGCACTTCACTGAAGTTTACAAAACCTGACGAATTTCTACAGCTTACGT  
 CAAGCGAGTGACACATCTTCTCAGCCAGGACACCCTGACTGTGAGAGCAGAGGATCAGGTCTACGACGCT  
 GCAGTGAGGTGGTTGAAATATGACGAGCCCAATCGTCAGCCGTTTATGGTTGATATCCTTGCTAAAGTCA  
 GGTTTCTCTTATATCGAAGAATTTCTAAGTAAAACAGTACAAGCTGAACCTCTTATTCAGATAATCC  
 TGAATGCCTTAAATGGTGTGATCAGTGGAATGAGGTACCATCTGCTGTCTCCTGAGGATCGGGAAGAACTT  
 GCAGGGGGCACAAGGCCATAGAAGAAAGAAACATGATTACCGCATAGCTCTGTTCCGAGGCTCCCAGCCAC  
 AATCCTGTAGATATTTAAACCAAAGGATTACAGTTGGACAGACATTCGCTGCCCTTTGAAAAACGAAG  
 AGATGCAGCTTGTGTGTTTGGGACAACGTAGTGTACATTTTGGGAGTTCTCAGCTTTCCCATAAAG  
 CGAATGGATTGCTACAATGTTGTAAGGATAGCTGGTATTCCAAACCTGGGACCTCCAACACCTCGAGACA  
 GCCTTGTGCTGCTGCAGAAGGCAAAATTTATACATCTGGAGTTTCAAGAGTGGAAACTCAGCCCT  
 GTATTTGTTTGTGCTATGATACCAGAACTGAGAGCTGGCACACGAAGCCAGCATGCTGACTCAGCGC  
 TGCAGCCATGGGATGGTGGAGGCCAATGCCTCATCTATGTGTGGCGAAGCTTGGGAAAACATGTTT  
 CTGGGAGAGTGTGAGTTCCTGTGAGGTGTATGATCCTGCCACAGAAACATGGACTGAGCTGTGTTCAAT  
 GATTGAGCCAGGAAGAATCATGGGCTGGTGTGTTGTAAGGACAAGATATTTGCTGTTGGTGGTCAGAAT  
 GGTTTAGGGGCTGGACAACGTGGAGTATTATGACATCAAGTTAAATGAATGGAAGATGGTGTACCCGA  
 TGCCGTGGAGGGCGTGACAGTGAAGTGTGCAGCAGTTGGCTCTGTCATCTATGCTCTGGCAGGGTTTCA  
 GGGTGTAGGCCGATTGGGCGACATCCTTGAATACAACACTGAGACAGACAAGTGGGTAGCCAACCTCCAA  
 GTCGCGCTTTCCAGTACAAGCTGTTGATTTGTGTGGTTGATACCTGCGGGCAACGAAGAGACCC  
 TGAAACATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001012187

**Insert Size:** 1761 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:** [NM\\_001012187.1](#), [NP\\_001012187.1](#)

**RefSeq Size:** 2878 bp

**RefSeq ORF:** 1761 bp

**Locus ID:** 362303

**UniProt ID:** [Q5XHZ6](#)

**Cytogenetics:** 4q11

**Gene Summary:** Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex. The BCR(KLHL7) complex acts by mediating ubiquitination and subsequent degradation of substrate proteins. Probably mediates 'Lys-48'-linked ubiquitination (By similarity). [UniProtKB/Swiss-Prot Function]