

## Product datasheet for **MC217790**

### **Klh17 (NM\_001161800) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Klh17 (NM_001161800) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klh17
Synonyms:	2700038B03Rik; D5Ertd363e; SBBI26
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217790 representing NM\_001161800  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCACCTCCGGCGTGAAAAGAGTAGCAAGAAGAAAAGTGAAGAAGAACTTGGCGCTCGCGAAGAAG  
 CCAAGCTGCTGGCGGGTTCATGGGCGTCATGAACAACATGAGGAAACAGAGAACACTGTGTGACGTGAT  
 CCTCACTGTCCAGGAAAGAAAGATCCCCGCTCACCGCGTTGCTCCTGGCTGCAGCCAGTCACTTCTTTAAC  
 TTAATGTTCACTAACAATGCTTGAATCTAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATA  
 TTATTGAACAACGGTGGAAATTTGCTTATACTGCTAGAATTTCTGTGAATAGCAACAATGTTTCAGTCTTT  
 GTTAGATGCAGCAATCAGTACCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTGAAAGAACA  
 GTTGATGCTTCAAATTGCTTGGTATAAGTGTGCTTGCAGAGTGTCTGGACTGCTCCTGAACTGAAAGCTA  
 CAGCTGATGACTTCAATTCATCAGCATTTCACTGAGGTTTACAAAACAGATGAATTCCTGCAGCTTGATGT  
 CAAGCGAGTGACACATCTTCTCAGCCAGGACCCCTGACTGTGAGAGCAGAGGACCAGGTTTATGACGCT  
 GCCGTGAGGTGGTTGAAATATGATGAGCCTAACCGCCAGCCATTCATGGTTGATATCCTTGCTAAAGTCA  
 GTTTCTCTTATATCGAAGAATTTCTAAGTAAAACAGTACAAGCTGAACCACTTATTCAGATAATCC  
 TGAATGCCTAAAATGGTGATAAGTGGAATGAGGTACCATCTGCTGTCTCCTGAGGATCGAGAAGAACTT  
 GCAGGTGGCACACGGCCTAGAAGAAAGAAACATGATTACCGCATAGCTCTGTTTGGAGGCTCCCAACCAC  
 AGTCTGTAGATATTTAAACCAAAGGATTACAGTTGGACAGACATTCGCTGCCCTTTGAAAACGGAAG  
 AGATGCAGCATGTGTGTTTGGGACAATGTAGTATACATTTTGGGAGTTCTCAGCTTTCCCAATAAAG  
 CGAATGGATTGCTACAATGTTGTAAAGGATAGCTGGTATTCCAAAGTGGGCCCTCCAACACCTCGAGACA  
 GCCTTGCTGCCTGTGCAGCAGAAGGCAAAATTTATACATCTGGAGGTTTCAAGTAGGAACTCGGCCCT  
 GTATTTGTTTGAATGCTATGATACAAGGACCGAGAGTTGGCACACGAAGCCAGCATGCTGACTCAGCGC  
 TGCAGCCATGGGATGGTGGAGGCCAATGCCTCATCTATGTTTGTGGTGAAGCTTAGGAAACAATGTTT  
 CTGGGAGAGTGCTTAGTTCCTGTGAAGTATGATCCTGCCACAGAAACGTGGTCTGGACAATGTGGAAT  
 ATTACGATATCAAGTAAATGA

**ACCGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001161800

**Insert Size:** 1422 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\\_001161800.1](#), [NP\\_001155272.1](#)

RefSeq Size: 3329 bp

RefSeq ORF: 1422 bp

Locus ID: 52323

Cytogenetics: 5 10.67 cM

**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]

Transcript Variant: This variant (2) lacks an exon in the 3' coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.