

## Product datasheet for **MC220002**

### **Klhl13 (NM\_026167) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Klhl13 (NM_026167) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klhl13
Synonyms:	1200009K10Rik; AI451128; Bklhd2; D130072F20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220002 representing NM\_026167  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATATTCTTCACAGAGGAGAATTGGTTGCTGCAATACTCCGCAACCGATCACTTGTGGAAGAGGAAG  
 ACCAGCACTTGAAACTGTGCCTTGGAAAGTAAAATGGGCCTCTCTCCATTTCAGTCTTCAAGGCAGG  
 AAGTACACGCATCTTTACCAGCAACAGCCACAGTTCTGTGGTGTACAGGGCTTTGACCAGCTTCGGCTT  
 GATGGATTGCTTTGTGATGTGACACTGATGCCAGGTGATACAGATGATGCTTACCCTGTGCACAGAGTCA  
 TGATGGCATCTGCTAGTGACTACTTCAAAGCTATGTTACAGGTGGAATGAAAGAACAAGAGCTGATGTG  
 CATTAAGCTTCATGGCGTGAGCAGAGTGGGTCTACGAAAATTATTGATTTTCATCTATACTGCAAAGCTT  
 TCTCTTAACATGGACACCCTTCAGGATACGCTGGAAGCCGCCAGCTTTCTCAGATTCTCCGGTTTTAG  
 ACTTCTGCAAAGTGTCTCATATCTGGGGTCACTTTGGATAACTGTGTTGAAGTTGGACGGATTGCCAA  
 CACCTACCATCTGACAGAAGTGGATAAAATGTCAACAGCTTCGCTTAAAGAATTTTGCTGCATTGCTG  
 AGCACTGGGGAGTTCTGAAGCTTCCCTTCGAGCGCTTGCCTTTGCTCCTGTCCAGCAACAGCCTTAAGC  
 GCTGCACCGAACTTGACCTCTTCAAAGCTACCTGTGCTGGCTTCGCCTGGAAGAACCTAGAATGGACGT  
 TGCTGCAAACTAATGAAGAATACGATTTCCGCTGATGACACCACAGGAGCTCATTAATTATGTGCAA  
 ACCGTGGATTTTCATGAGAAGTACAATACTTGGCTCAATTTGCTTCTGGAAGCCAGCAATTACCAAAATGA  
 TGCCGTTTATGCAGCCAGTTATGCAGTCAGACAGGACTGCCATTCGGTCTGACACCACCTCGTTTGGTTAC  
 ACTCGGAGGAGTCTGAGACAGCAGCTTGTGTCAGTAAAGAATTGCGCATGTATGATGAAAAGACCCAC  
 GAGTGGAAATCTCTAGCCCCATGGATGCCCAAGATACCAGCATGGCATTGCTGTCATCGGAAATTTTC  
 TCTACGTTGTTGGTGGGAGAGTAATTATGACACAAAAGGAAAAACCGCGTGCATACAGTGTTTAGATT  
 TGATCCTCGATACAACAATGGATCCAAGTTGCATCTTTAAATGAAAAGCGCACCTTCTCCACCTAAGT  
 GCCCTCAAAGGATTTCTGTATGCAGTTGGTGGACGAAATGCAGCTGGAGAACTCCCTACTGTGGAATGTT  
 ACAATCCGAGAACAAATGAATGGACCTATGTTGCCAAAATGAATGAACCTCACTATGGCCATGCTGGAAC  
 TGTGTATGGAGGAGTGTATATTTTCCAGGAGGAAATACCCATGACACTTCCAAAAGGAGCTCATGTGC  
 TTCGACCCTGATACTGACAAATGGACCCAGAAGGCACCGATGACCACTGTCGAGGCCTACACTGCATGT  
 GTACGGTGGGAGATAGGCTCTACGTCATTGGTGGCAACCATTTCCGAGGAACAGTGATTATGATGATGT  
 CCTGAGCTGTGAATACTACTCACCTATCCTTGACCAGTGGACCCCAATTGCTTCCATGTTAAGAGGGCAG  
 AGTGATGTTGGGGTGCCTGCTTTGAGAATAAAATCTATGTGGTGGTGGCTATTCATGGAATAATCGCT  
 GTATGGTAGAGATAGTGCAGAAGTATGATCCAGAGAAAAATGAATGGCATAAGGTTTTTCATCTGCCAGA  
 GTCTTTGGTGGTATTCCGAGCTTGACACTTACAGTTTATCCACCTGAAGAAGCCACACCATCACCTTCT  
 AGAGAGTCCCCTCTTCTGGACCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_026167
- Insert Size:** 1917 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\\_026167.4](#), [NP\\_080443.1](#)

**RefSeq Size:** 3251 bp

**RefSeq ORF:** 1917 bp

**Locus ID:** 67455

**UniProt ID:** [Q80TF4](#)

**Cytogenetics:** X A2

**Gene Summary:** Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for mitotic progression and cytokinesis. The BCR(KLHL9-KLHL13) E3 ubiquitin ligase complex mediates the ubiquitination of AURKB and controls the dynamic behavior of AURKB on mitotic chromosomes and thereby coordinates faithful mitotic progression and completion of cytokinesis (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the shortest isoform (1).