

Product datasheet for **MC219687**

KIhl9 (NM_172871) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhl9 (NM_172871) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	KIhl9
Synonyms:	8030469P05; C530050O22Rik; ENSMUSG00000070923; mKIAA1354
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219687 representing NM_172871
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGTGTCTCTGGGTAAACGGCGACATGGCGTCTCTGCCACCTGCAGCCTTGAAGTCTGGAAC
 CGCGGTTTTTACCAGCAACACGCACAGTTCGGTTGTATTGCAAGGCTTTGATCAGCTCAGAATAGAGGG
 CCTACTTTGTGACGTGACGCTGGTACCTGGCGATGGAGAGGAAATCTCCCGTTTCATAGAGCCATGATG
 GCGTCTGCCAGTGATTATTTCAAGGCCATGTTCACTGGAGGAATGAAAGAGAAAGATTTGATGTGCATCA
 AGCTTCATGGGGTGAACAAAGTTGGTCTGAAGAAAATCATTGATTTTATTATACTGCAAACTGTCTCT
 TAATATGGACAATCTTCAGGACTCTTGAAGCTGCCAGCTTTCTACAGATCTTGCCGGTTTTGGATTTT
 TGTAAGTATTTCTATATCAGGCGTCTTTGGATAACTGTGTGGAGGTTGGCCGATTGCTAACACCT
 ACAATCTTATAGAAGTGATAAAACGTAATAATTTTCATCCTGAAGAACTTTCTCGCTTGTGAATAC
 TGGGGAGTTTCTGAACTCCCTTTGAACGGCTTGCCTTTGTGCTTTCCAGCAATAGTCTCAAGCACTGT
 TCGGAACTTGAGCTCTTCAAGGCAGCCTGCCGCTGGCTGAGGCTGGAAGACCCTCGGATGGACTATGCCG
 CAAAATTAATGAAGAATATTCGCTTTCCACTGATGACACCACAGGATCTCATCAACTATGTGCAGACAGT
 AGATTTTCATGAGAACAGACAATACCTGTGTGAATTTACTTTTGGAAAGCAAGCAATTACCAATGATGCCG
 TATATGCAGCCGGTGATGCAGTCGGACAGAAGCTGCCATTCGATCTGATTCTACTCATTGGTTACCTTAG
 GAGGAGTTTTGAGACAACAGCTAGTTGTGAGTAAAGAGTTACGAATGTACGACGAAAGGGCGCAGGAGTG
 GAAGTCGTTAGCGCCATGGATGCTCCTCGATACCAGCATGGCATTGCTGTTATTGGAAATTTCTTTAT
 GTAGTTGGTGGCCAGAGTAATTATGATACAAAAGGAAAAACGGCTGTTGATACAGTTTTTCAGATTTGATC
 CTCGTTATAATAAGTGGATGCAGGTGGCATTAAACGAAAAGCGCACATTCTTTCACCTGAGTGCCCT
 CAAAGGACATTTATATGCAGTTGGTGGCGCAGTGCAGCTGGTGAAGTGGCCACAGTAGAATGTTACAAC
 CCAAGAATGAATGAATGGAGCTACGTTGCAAGATGAGTGAACCCCACTATGGCCATGCTGGAACAGTAT
 ATGGGGTTTAAATGTATATTTCCGGAGGAATCACTCATGACACTTTCCAAAATGAGCTCATGTGTTTTGA
 CCCAGATACAGACAAAATGGACACAGAAGGCTCCTATGACTACAGTCCGAGGTCTGCATTGCATGTGTACA
 GTTGGAGACAAGCTGTATGTCATCGGTGGCAACCACTTCAGAGGAACAAGTATTATGATGATGCTCTAA
 GCTGCGAATACTATTCGCAACTCTTGACCAGTGGACCAATTGCTGCTATGCTGAGAGGTGAGAGTGA
 TGTTGGAGTTGCAGTCTTTGAAAACAAAATCTATGTTGTTGGTGGATATCTTGGAAATACCGGTGCATG
 GTAGAAAATGTCCAGAAATATGACCCAGAAAAGACGAGTGGCATAAAGTTTTTGTCTCTGAGTCCG
 TGGGTGGCATTCCGGCTTGCAGTCTCACAGTTTTTCCACCTGAAGAAAACCTGGGTACCTTCTAGAGA
 ATCACCTCTTTCAGCACCTTCAGATCATTCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172871

Insert Size: 1854 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_172871.2](#), [NP_766459.2](#)

RefSeq Size: 4217 bp

RefSeq ORF: 1854 bp

Locus ID: 242521

UniProt ID: [Q6ZPT1](#)

Cytogenetics: 4 C4

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]