

Product datasheet for **MC228574**

KIhl13 (NM_001290476) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhl13 (NM_001290476) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	KIhl13
Synonyms:	1200009K10Rik; AI451128; Bklhd2; D130072F20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228574 representing NM_001290476
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAGGTTTATATCCATTTGTACTGTTGCAGCTCAAAGAAGAATGTTTCAGAGGATGACAAATGTA
 TTCTGAGTAGATCACTTGTGGAAGAGGAAGACCAGCACTTGAAACTGTGCCTTGGAAAGTAAATGGGCCT
 CTCTCCCATTTGCAGTCTTGAAGGCAGGAAGTACACGCATCTTTACCAGCAACAGCCACAGTTCTGTG
 GTGTTACAGGGCTTTGACCAGCTTCGGCTTGATGGATTGCTTTGTGATGTGACTGATGCCAGGTGATA
 CAGATGATGCTTACCCTGTGCACAGAGTCATGATGGCATCTGCTAGTGACTACTTCAAAGCTATGTTTAC
 AGGTGGAATGAAAGAACAAGAGCTGATGTGCATTAAGCTTCATGGCGTGAGCAGAGTGGGTCTACGGAAA
 ATTATTGATTTCTATACTGCAAAGCTTTCTTAAACATGGACACCCTCAGGATACGCTGGAAGCCG
 CCAGCTTTCTCAGATTCTCCGGTTTTAGACTTCTGCAAAGTGTTCATATCTGGGGTCACTTTGGA
 TAACTGTGTTGAAGTTGGACGGATTGCCAACACCTACCATCTGACAGAAGTGGATAAATATGTCAACAGC
 TTCGCTTAAAGAATTTTGTGCAATTGCTGAGCACTGGGGAGTTCCTGAAGCTTCCCTTCGAGCGCCTTG
 CCTTTGCTGTCCAGCAACAGCCTTAAGCGCTGCACCGAACTTGACCTTTCAAAGCTACCTGTGCTG
 GCTTCGCCTGGAAGAACC TAGAATGGACGTTGCTGCAAACTAATGAAGAATATACGATTTCCGCTGATG
 ACACCACAGGAGCTCATTAATATGTGCAAACCGTGGATTTTATGAGAAGTACAATACTTGCCTCAATT
 TGCTTCTGGAAGCCAGCAATTACCAATGATGCCGTTTATGCAGCCAGTTATGCAGTCAGACAGGACTGC
 CATTCCGCTCTGACACCACTCGTTTGTTTACACTCGGAGGAGTCTGAGACAGCAGCTTGTGCTCAGTAAA
 GAATTGCCGATGTATGATGAAAAGACCCACGAGTGGAAATCTCTAGCCCCATGGATGCCCAAGATACC
 AGCATGGCATTGCTGTCATCGGAAATTTCTCTACGTTGTTGGTGGCAGAGTAATTATGACACAAAAGG
 AAAAACCGCCGTCGATACAGTGTTTAGATTTGATCCTCGATACAACAAATGGATCCAAGTTGCATCTTTA
 AATGAAAAGCGCACCTTCTCCACCTAAGTGCCCTCAAAGGATTTCTGTATGCAGTTGGTGGACGAAATG
 CAGCTGGAGAACTCCCTACTGTGGAATGTTACAATCCGAGAACAATGAATGGACCTATGTTGCCAAAAT
 GAATGAACCTCACTATGGCCATGCTGGAAGTGTGATGGAGGAGTGTATATTTTCAGGAGGAATTACC
 CATGACTTTCCAAAAGGAGCTCATGTGCTTCGACCCTGATACTGACAAATGGACCCAGAAGGCACCGA
 TGACCACTGTCCGAGGCCTACACTGCATGTGTACGGTGGGAGATAGGCTCTACGTCATTGGTGGCAACCA
 TTTCCGAGGAACCAAGTATTATGATGATGCTGAGCTGTGAATACTACTCACCTATCCTTGACCAGTGG
 ACCCAATTGCTTCCATGTTAAGAGGGCAGAGTGTGTTGGGGTCTGCTTTTGAATAAAAATCTATG
 TGGTTGGTGGCTATTCATGGAATAATCGCTGTATGGTAGAGATAGTGCAGAAGTATGATCCAGAGAAAA
 TGAATGGCATAAGGTTTTCGATCTGCCAGAGTCTCTTGGTGGTATTTCGAGCTGTACACTTACAGTTTAT
 CCACCTGAAGAAGCCACACCATCACCTTAGAGAGTCCCCTCTTTCTGGACCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001290476

Insert Size: 1947 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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001290476.2</u> , <u>NP_001277405.1</u>
RefSeq Size:	3363 bp
RefSeq ORF:	1947 bp
Locus ID:	67455
UniProt ID:	<u>Q80TF4</u>
Cytogenetics:	X A2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start site, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>