

Product datasheet for **MC219627**

KIhl10 (NM_025727) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhl10 (NM_025727) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	KIhl10
Synonyms:	4921517C11Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219627 representing NM_025727
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATGGAGAGCACCCTGCCTCCACCCGGTTCCACCAGCCTCACATGGAAAGAAAGATGAGTGCAA
 TGACCTGTGAGATCTTCAACGAGCTCCGGCTTGAGGGCAAGCTCTGCGAGGTGGTATCAAAGTCAATGG
 CTTTCGAGTTCAATGCCCAAGAACATCCTCTGTAGCTGCAGCTCCTACTTTAGAGCTTTGTTTACAAGT
 GGCTGGAACAACACTGAGAAGAAGGTTTACAACATTCTGGCATTTCCTCCGACATGATGAAGCTAATTA
 TTGAGTATGCGTACACTCGGACCGTGCCTATCACCCCTGACAATGTGGAGAAGCTGCTGGCCGCTGCTGA
 TCAGTTTAAACATCATGGGCATCGTTAGGGGTTGCTGTGAGTTCCTCAAGTCGGAGCTGTGTCTGGATAAC
 TGTATCGGCATCTGCAAGTTCACGGACTACTACTGCCCGAGCTGAGGCAGAAGGCCTACATGTTCA
 TCCTGCACAACCTCGAGGAGATGGTAAAGTCTCGGCAGAGTTTCTGGAGCTCTCTGCTACTGAGCTCAA
 GGACATCATTGAGAAAGACGAACTCAACGTGAAGCAGGAGGACGCAGTATTCGAGGCCATTTTAAAGTGG
 ATTTCTCACGACCCCAAAATAGGAAGCAACATATTTTCAGTTTTACTTCCTAAGGTTTCGCTGGCCCTAA
 TGCATGCTGAGTACTTTCATGAATAATGTTAAGATGAATGACTATGTCAAAGACAGTGAGGAATGTAGCC
 AGTCATCATTAACGCCCTAAAGGCTATGTATGACCTGAACATGAACGGACCTCCAATTCTGACTTCACC
 AACCCACTTACCAGGCCCGCCTGCCCTATGCCATCCTATTTCGCTATTGGTGGCTGGAGTGGCCGGAGCC
 CCACCAATGCCATTGAGGCATACGATGCTCGAGCAGACAGATGGGTGAATGTACGTTGAGGAAGAAAG
 TCCTCGAGCCTACCACGGGGCAGCCTACTTGAAGGCTATGTTTATATCATCGGGGGTTTGATAGCGTA
 GACTACTTCAATAGTGTTAAGCGTTTTGACCCTGTGAAGAAAACCTGGCACCAAGTGGCCCTATGCACT
 CTAGACGTTGCTATGTCAGCGTGACAGTCTCAGCAATTCATCTATGCCATGGGAGGTTTGATGGCTA
 CGTGCGTCTCAACACTGCTGAACGGTACGAGCCAGAGACCAACCAATGGACACTCATTGCCCCCATGCAT
 GAGCAGCGGAGCGATGCGAGCGCCACAACACTCTATGGGAAGGTCTACATATGTGGTGGGTTTAAACGGAA
 ACGAATGCCTGTTTACAGCAGAAGTGTACAACACTGAGAGCAATCAATGGACAGTCATTGCACCCATGAG
 GAGCAGGAGGAGTGAATAGGTGTAATTGCTTACGGGAACATGTATACGCAGTGGTGGCTTTGATGGA
 GCCAATCGACTGAGGAGTGCAGAAGCCTACAGCCAGTGGCTAATACTTGGCGCACGATCCCACTATGT
 TTAACCCTCGTAGCAATTTGGGATCGAGGTAGTGGACGACCTCTGTTTGTGGTGGGTTGCTTAAATGG
 CTTTACCACCACCTTAAACGTTGAGTGTATGATGAAAAGACCGATGAGTGGTATGACGCTCATGACATG
 AGCATATACCGCAGTGTCTGAGCTGCTGCGTGGTACCAGGGCTAGCCAATGTTGGGGAGTATGCAGCTA
 GACGGGACAACCTCACGGGATTAGCACTGCGAGATGAAGTAAAGTATCCGCTTCGACAAGTACCCTACC
 TGTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_025727

Insert Size: 1827 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_025727.3](#), [NP_080003.1](#)

RefSeq Size: 2012 bp

RefSeq ORF: 1827 bp

Locus ID: 66720

UniProt ID: [Q9D5V2](#)

Cytogenetics: 11 D

Gene Summary: May be a substrate-specific adapter of a CUL3-based E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins during spermatogenesis. Required for male fertility.[UniProtKB/Swiss-Prot Function]