

Product datasheet for **MC219836**

KIhl40 (NM_028202) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhl40 (NM_028202) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	KIhl40
Synonyms:	2310024D23Rik; Kbtbd5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219836 representing NM_028202
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGCTGGGCTTGAGCAGGCGGAGGAACAGCGTCTGTACCAGCAGACGCTCCTGCAAGACGGCCTCA
 AGGACATGCTGGACCACGGCAAGTTCCTAGACTGTGTAGTGCGCGTGGGTGAGCGCGAGTCCCGTGCCA
 CCGCCTGGTGCTAGCCGCTGTAGCCCCTACTTCCGCGCGCGCTTCTGGCTGAGCCAGATAGCGCGGGA
 GAGGTACGCTGGAGGAGGTGTCGCCAGACGTAGTGTCCAGGTGCTGCACTACCTGTACACATCAGAGA
 TCGCGTGGATGAGGCAAGCGTGAAGACCTGTTTCCGCGCGCGCATCGATTCCAGATCCCGTCCATCTT
 CACCATCTGCGTGTGTTTCTGCAGAAGCGCTGTGCTTGGCCAATTGCCTGGTGTCTTCCGCTCGGC
 CTCTGCTGGACTGCGCGCTGTGGCTGTGGCCGCGCGACTTCATCTGCGCGCTTCCCGTGGTGG
 CGGGGACAACGACTTCTGGGACTCTCGGCTGACGAGCTGATCGCCATCATCTCCAGCGACGGCCTCAA
 CGTAGAGAAGGAGGAGGAGTGTGAGGCTGTGATGCGTGGCCAGCAGCGGAGATGCTGAGGCGCAG
 GCGGAGCGCCAGCGCGCTGCCACCGTCTTCGAGAGCGTTCGCTGCCGCTGCTGCCTCGTGTCTTCC
 TGGAGACTCGCGTGGAGCGCCACCCACTTGTGCGCTCCAGCCGAGCTGTTGCGCAAGGTGCAGATGGT
 GAAGGATGCACATGAGGGCCGCTCACTACACTGCGCAAGAAGAAGAAGGAAAAGGTGAGCAGACAGCT
 CGGGCCAAGGAGGCCAACAGGGCACAGAAGACACCAAGGCTGAGGACGATGAGGAACGAGTACTGCCCC
 GGATCCTCAATGACACTCTGCGCTTCGGCATGTTCTTCCAGGATCTCATTTATGATCAGCGAGGAAGG
 CGCGTGGCTTACGACCCAGCCGCAACGAGTGTACTGTGATCCCTGTCCACCCAGATCCCAAGAAC
 CATGTCAGTCTGGTGACCAAGGAGAACCAAGTCTTCGTTGGCCGGTGGCCTCTTCTACAATGAGGACAACA
 AGGAGGACCCTATGAGTGTACTTCTGCAAGTTGACCACTGGACTCTGAGTGGCTGGGATGCCGCC
 TCTCCCTCACCTCGCTGCCTTTCGGCTGGGGAGGCTCTCAACGCCATCTACGTGGTGGCGCGCCGG
 GAACTCAAGGACAGCGAAGACAGCCTGGACTCAGTCTGTGCTACGACAGGCTGTCAATCAATGGGGTG
 AGTCAGACCCGCTGCCCTACGCCGTGTACGGCCACACAGTCTTCCACATGGACCTGGTCTATGTCAT
 TGGTGGCAAAGGCAAAGACAGGAAATGTCTGAACAAGATGTGTGCTACGACCCCAAGAAGTTTGGTGG
 AAGGAGCTAGCACCCATGCAGACAGCCGATCGCTCTTGGGGCCACGGTCCATGACGGCCGATCTTTG
 TGGCCGACGGGTGACAGACACAGGACTTACCAGCTCTTACAGAGGTACAGCATTGCAGACAACAAGT
 GACCTCTTTGAGCCTTCCACAGGAACGAAGCTCGCTCAGCCTGGTCCAGCCTAGCTGGCACTCTTAT
 GCCTTGGTGGCTTGGCACTCTGGAGACGGAGTCTGGAGAGCTGGTCCACAGGAGCTCAATGACATCT
 GGAGATACAACGAGGATGAGAAAAGTGGGAGGGGCTTACGGGAGATCGCCTACGCAGCTGGCCAC
 CTCTCCCTGTGCGCCTCAATGTGCTTCGCTGACCAAGATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028202

Insert Size: 1866 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:	<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:	NM_028202.3 , NP_082478.1
RefSeq Size:	2455 bp
RefSeq ORF:	1866 bp
Locus ID:	72330
UniProt ID:	Q9D783
Cytogenetics:	9 F4
Gene Summary:	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a key regulator of skeletal muscle development (PubMed:25940086). The BCR(KLHL40) complex acts by mediating ubiquitination and degradation of TFDP1, thereby regulating the activity of the E2F:DP transcription factor complex (PubMed:25940086). Promotes stabilization of LMOD3 by acting as a negative regulator of LMOD3 ubiquitination; the molecular process by which it negatively regulates ubiquitination of LMOD3 is however unclear (PubMed:24960163).[UniProtKB/Swiss-Prot Function]