

Product datasheet for **MC219895**

Klhl8 (NM_178741) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhl8 (NM_178741) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klhl8
Synonyms:	2310001P09Rik; D5Ertd431e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219895 representing NM_178741
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCAGAATCTACCAATGGGAAACAAGCTAGGAGTCACGTGACAAAGGGGGCGCTCAGTACCAGC
 ACCAGCACCAACAGCAGCAGCAACAGCAGCAGCAAGTGAGGAGCAGGTCCTCTGTCAAGTGTGATGG
 CGAGACTCCTTCATCTTCAAGCCAACGAGGCCCTGGAAGGACTTTCACGGCTCTCTCCTGGGCTTCTAT
 GAAAACGGGGAGCTCTGCGACGTCAACCTGAAGGTTGGCTCAAAGCTAATATCTTGTACAAACTGGTGC
 TGGCTTGTGTGATCCCTACTTCAGAGCCATGTTTCTTCCGAAATGTCTGAAGCCAAGCAGGCGTTAAT
 CGAGATCCGAGACTTTGACGGTGTGCCGTGGAAGACTTGGTGAAGTTTGTCTACTCCTCACGGCTCACT
 TTAACAGTGGACAATGTCAGCCCTGTGTATGCAGCGTGTATTCTGCAGGTTGAGCTGGTGGCCAGAG
 CTTGTTGTGAATACATGCAGCTACACTTTCATCCCTCCAAGTGCCTGGCTGTACGAGCCTTCGAGAGAG
 TCACAACCGAATAGACCTAATGGACATGGCGGACCAGTATGCCTGTGAGCACTTACTGAAGTGGTGGAG
 TGCGAAGACTTCGTGAGTGTGTCCCGCAACATCTCCACAAGCTCCTCTCCTCTAGCGACTCAACATTG
 ACAGTGAGAAGCAGGTCTACAGTGTGCCATCAAGTGGCTTCTTGCCAATCCGCAACATCATCTAAATG
 GCTGGACGAGACACTTGACAGGTCCGTCTGCCATTGCTGCCAGTTGATTTTCTCATGGGTGTTGTGGCG
 AAAGAACAGATCGTCAAGCAGAACTGAAGTGCAGAGATCTGTGGACGAAGCGAGAAATACCACCTTC
 ACTTGAGCAGTAAACAGTCCCGACTTTGAGTACACAGTCAGGACGACCCCGAGGAAGCACACTGCTGG
 TGTGCTGTTTTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG
 AAGGGAAGGTGTACGAGTGGTGGCCATGATGGGAACGAACACTGGGACGATGGAGATGTTTGACCC
 TCTCACTAACAAAGTGGATGATGAAGGCATCGATGAACACCAAGAGGCGAGGAATTGCCTTGGCCTCTTA
 GGGGGCCAATATATGCAATTGGAGGATTAGATGACAATACGTGCTTCAGTGACGTGGAGAGATACGACA
 TCGAATCTGACCAATGGAGCACAGTGGCACCAATGAACACTCCCGTGGAGGCGTTGGCTCTGTGGCTTT
 AATAAACACGTTTACGAGTGGGCGGCAACGACGGCGTAGCCTCCTTATCCAGTGTGGAGAGGTATCAC
 CCGCATCTGGACAAGTGGATAGAAGTAAAAGAGATGGGTACGCGCAGAGCTGGCAACGGCGTCAGCGAGC
 TTCACGGTTGTTTATATGTTGTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG
 CCCTCGAAGCAACAAGTGGACTATGTGGCAGCTTACCACCTCCAGGGGTGGCGTAGGGATCGCAACA
 GTGATGGGCAAAATCTTTCAGTTGGCGGTACCAATGGCAACGCGTACCTAACACCGTGGAGGCGTTTG
 ACCCCGTGCTGAACAAGTGGGAGCTGGTGGGACCTGTGTCTCACTGCCGAGCTGGTGGCGGTGTGGCCGT
 GTGTGACTGTTTAACTAGCCAGATCCGAGACGTGGGTACGGGTCCACTAATGTGGTTGACTGTATG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_178741
- Insert Size:** 1890 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_178741.3](#), [NP_848856.1](#)

RefSeq Size: 3163 bp

RefSeq ORF: 1890 bp

Locus ID: 246293

UniProt ID: [P59280](#)

Cytogenetics: 5 50.45 cM

Gene Summary: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex required for The BCR(KLHL8) ubiquitin ligase complex mediates ubiquitination and degradation of RAPSN. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.