

Product datasheet for **MC216894**

Klhl42 (NM_001081237) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhl42 (NM_001081237) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klhl42
Synonyms:	A330079N23Rik; AI450355; C230080I20Rik; Ctb9; Klhdc5; mKIAA1340
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:	>MC216894 representing NM_001081237 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCCGGATCGCC ATGTCGGCCGAGGAGATGGTGCAGATCCGCCTGGAAGACCGCTGCTACCCGGTGAGCAAGAGCAAGCTGA TCGAACAGAGCGACTACTTCCGCGCGCTCTACCGCTCCGGCATGCGCGAGGCCGTGCGGCCCGAGGTGGG CCCGGAGGTGCAGCAGCTGCGCGGCTGAGCGCTCCGGGCTGCGGCTGGTGTGACTTCATCAACGCG GGCGGCGCGCGAGGGCTGGGGCTGAGCGAGGACGAGCTGGCCGAGGCTAGTGTGCTGCTCCGAGATGG TGGAGGCCGCTCCTTTCTGCAGGTACGGCGCTTCTGCGCTTGTGCTGTCGCACGTGCGTCTGGGCAA CTGCCTGGAGCTGTACCGCTGGCGCAGGTGTACGAGTGCACCGACCTGCAGGACGCTGCCTGCGCTTC ATGGTGTGCGCTTCACCAGGTGTGTGTCAGCCGAATTCCTGCTGTTGTGCGCGCCGAGGCCCC CCGGGGACTGCAGCCTGAAGCAGAGGCTGAGGGAGGCCCGCATGCGGGGACCCCGTCCATGCTTAGGTAC GGGGGACTTCCTCGGGGACCCCTTGCCTCCGACCCGTATCAGGGGGAACCCCGTCCATGCTTAGGTAC GAGGAGACCACGAGCGCTGTTCCCTTGGCCAAACCTGCCCGGACCTGGTGAACGTGAGGGGCT ACGGCTCAGCCATTTTGACAACCTCTTATCGTGGGTGGTTACAGGATCACCAGCCAGGAGATCTC TGCCGCACACTCCTACAATCCCATACCAACGAGTGGTGCAGGTGGCTCCATGAACGAGAAGCGATCT AACTTCAAATTTGTGGTGTCAATTCAAAGCTTACGCCATCGGTGGGCAGGCTGTTTCTAACGTGGAAT GCTACAATCCCGAGCAAGATGCGTGGAATTTGTGGTCCCCTGCCAAACCTCTGGCTGAGTTCTCTGC CTGCGAGTGCAAGGGGAAGATTTACGTCATTGGCGGATATACCACCGAGATCGCAACATGAACATCCTG CAGTACTGCCCCCTCCCGGACCTCTGGACGCTGTTTGAACCTGTGACGTCCATATCCGCAAGCAGCAGA TGGTGTCCGTGGAGGAGACCATCTACATCGTGGTGGGTGTCTCCATGAACCTGGGGCCCAACCGCAGGAG CAGCCAGAGTGAGGACATGCTCACCGTGCAGTCTACAACACAGTCACGCGTCAGTGGCTCTACCTGAAG GAGAACACGTCCAAATCGGGCTGAACCTTGACATGCGCACTGCACAATGACGGCATCTACATTATGAGCA GGGACGTACCCTGTCCACCAGCTTGGAGCACCAGTGTCTTCAAGTACAACATCTTTGCTGACAGCTG GGAAGCCTTCCGGCGTTCCAGCTTTCGGACATAACTGTTGATTCTCTCTATCTGCCCAATAAA GCAGAGACTGA AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC TGGATTACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-RsrII
ACCN:	NM_001081237
Insert Size:	1482 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001081237.1, NP_001074706.1

RefSeq Size: 6571 bp

RefSeq ORF: 1482 bp

Locus ID: 232539

UniProt ID: Q8BFQ9

Cytogenetics: 6 G3

Gene Summary: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for mitotic progression and cytokinesis. The BCR(KLHL42) E3 ubiquitin ligase complex mediates the ubiquitination and subsequent degradation of KATNA1. Involved in microtubule dynamics throughout mitosis (By similarity).[UniProtKB/Swiss-Prot Function]