

Product datasheet for **RC239125**

KLHL8 (NM_001292003) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	KLHL8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC239125 representing NM_001292003
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTTCAGATTCTATGAGTAGTAACAAGCTAGGAATCACATTACAAAGGGGAAAAGGCAACAACAGC
 ACCAGCAAAATAAGAACAGATCCTCAATTAGTGATGGTGATGGAGAAGATTCTTTATTTTGAAGCAAA
 TGAAGCTTGGAAAGATTTTCATGGTTCTCTCCGATTTTATGAAATGGAGAAGCTGTGATGTCACA
 CTCAAGGTTGGCTCAAAGCTAATCTCTGTCAAGCTGGTATTGGCTTGTGTTATTCCTACTTTAGAG
 CCATGTTTCTTTCTGAAATGGCTGAAGCAAGCAACGCTGATTGAGATTAGAGATTTTGATGGTGATGC
 AATAGAAGACTTGGTAAAGTTTGTCTATTCTTCACGGCTCACTTTGACTGTTGACAATGTCAGCCTCTC
 TTATATGCAGCCTGTATTCTGCAGGTTGAACTGGTGGCTAGAGCTTGTGTGAATACATGAAGTTACATT
 TTCATCCCTCAATTGCCTGGCAGTAAGAGCCTTTCAGAAAGTCACAATCGAATAGACTTAATGGACAT
 GCGGATCAGTATGCCTGTGACCATTTTACTGAAGTAGTGGAGTGTGAAGACTTTGTAAGTGATACCCG
 CAGCAGCTCCATAAGCTTTTGTCTCCAGTGATCTAAATATTGAAATGAAAAGCAGGTCTATAATGCTG
 CCATCAAGTGGCTTCTTGCATCCTCAGCATATTCCAAATGGTTGGATGAAACACTTGCACAGGTTCCG
 CCTGCCATTGTTGCCGTTGATTTTCTATGGGTGTTGTGGCAAAAGAAGACATTGTCAAGCAAAATCTA
 AAATGTAGAGATTTACTGGATGAAGCAAGAAATTACCACCTTCACTTGAGTAGCAGAGCAGTACCTGACT
 TTGAATACTCCATTGGACTACCCCAAGGAAGCATACTGCTGGTGTGCTTTTTGTGTAGGTGGTCGAGG
 TGGATCTGGTGACCCCTTTCGAGTATTGAATGCTATTCTATCAACAAAAACAGTTGGTTCTTTGGACCA
 GAAATGAATAGTGAAGGCGACATGTGGGTGAATCTCTGTGAAGGTAAGTGTATGCAGTAGGTGGAC
 ATGATGAAATGAACATTTAGGGAGTATGGAGATGTTGATCCTCTCACTAATAATGGATGATGAAGGC
 ATCAATGAACACAAAGAGGCGAGGAATTGCCTTGGCTTCTTAGGAGGCCAATTTATGCAATTGGAGGG
 TTAGATGACAATACTTGTCTCAATGATGTGGAGAGATATGACATAGAATCTGATCAGTGGAGTACAGTGG
 CACCAATGAATACTCCCGTGGAGGAGTTGGCTCTGTTGCTCTAGTAAACCATGTTTATGCAGTAGGTGG
 CAATGATGGAATGGCTTCTTTATCTAGCGTGGAGAGATATGATCCACATCTGGATAAGTGGATAGAAGTT
 AAAGAAATGGGTGAGCGAAGAGCAGGCAATGGAGTTAGCAAGCTTCACTGTTGCTTATACGTAGTTGGTG
 GTTTTATGATAATTCTCTCTGAGTTGAGTTGAGCGGTATGACCCCGAAGCAACAAGTGGGATTATGT
 GGCAGCACTTACTACTCCAGAGGTGGAGTGGGAATCGCAACAGTATGGGCAAAATCTTTGCAGTTGGT
 GGTGATAATGGCAATGCATACTTAAATACAGTAGAAGCGTTTATGATCCAGTGTGAATAGGTGGGAGCTTG
 TTGGATCTGTGCTCACTGCAGAGCTGGAGCAGGAGTAGCTGTGTCTCTGTTTAACTAGCCAAATTCG
 AGATGTAGGTCATGGATCCAATAATGTGTTGACTGTATG

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239125 representing NM_001292003
 Red=Cloning site Green=Tags(s)

MASDSMSSKQARNHITKGRQQHQKIKNRSSISDGDGDSFIFEANEAWKDFHGSLLRFYENGELCDVT
 LKVGSKLISCHKLVACVIPYFRAMFLSEMAEKQTLIEIRDFDGAIEDLVKFVYSSRLTLTVDNVQPL
 LYAACILQVELVARACCEYMKLHFHPSNCLAVRAFAESHNRIDLMDMADQYACDHFTEVVECEDFVSVP
 QHLHLKLLSSDLNIENKQVYNAAIKWLLANPQHHSKWLDETLAQVRLPLLPVDFLMGVVAKEQIVKQNL
 KCRDLLDEARNYHLHLSSRAVPDFEYSIRTPRKHTAGVLCVGGRGSGDPFRSIECYSINKNSWFFGP
 EMNSRRRHVGVISVEGKYAVGGHDGNEHLGSMEMFDPLTNKMMKASMTKRRGIALASLGPIYAIGG
 LDDNTCFNDVERYDIESDQWSTVAPMNTPRGGVGSVALVNHVYAVGGNDGMSLSSVERYDPHLDKWIEV
 KEMGQRAGNGVSKLHGCLYVVGFDNSPLSSVERYDPRSNKWDYVAALTPRGGVGATVMGKIFAVG
 GHNGNAYLNTVEAFDPVLNRWELVGSVSHCRAGAGVAVCSCLTSQIRDVGHGSNNVDDCM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6857_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001292003

ORF Size: 1860 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001292003.1](#), [NP_001278932.1](#)

RefSeq Size: 5680 bp

RefSeq ORF: 1863 bp

Locus ID: 57563

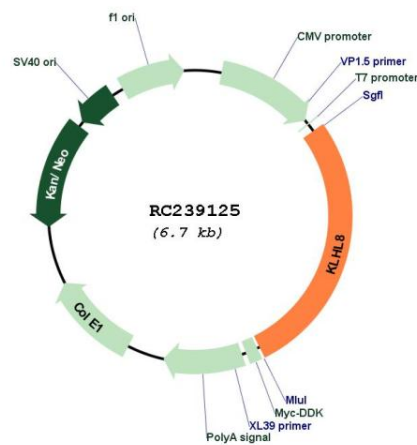
UniProt ID: [Q9P2G9](#)

Cytogenetics: 4q22.1

MW: 68.8 kDa

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 RAPSIN. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239125