

Product datasheet for **RC203728**

KLHL9 (NM_018847) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL9 (NM_018847) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KLHL9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC203728 representing NM_018847
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGTGTCCCTTGGTAACGGCGAAATGGGCGTCTCTGCCATTTGCAGCCTTGAAGCAGGAACCA
 CAGCCTTTTTTACCAGCAATACTCACAGTTCGGTGGTATTGCAAGGCTTTGATCAGCTTAGAATAGAAGG
 ATTGCTTTGTGATGTGACCCTGGTACCAGGTGATGGAGATGAAATCTTCCTGTTACAGAGCTATGATG
 GCGTCTGCTAGTGATTATTTCAAAGCCATGTTACAGGTGGAATGAAAGAACAAGATTTGATGTGCATTA
 AGCTTCATGGGGTGAACAAGGTTGGTCTGAAGAAAATCATTGATTTTATTATACTGCAAACTTTCTCT
 TAATATGGACAATCTTCAGGACACACTTGAAGCTGCTAGCTTTTTACAAATATTACCCGTTTTGGATTC
 TGTAAGTATTTCTATATCAGGAGTCTCTTTGGATAACTGTGTTGAGGTTGGACGAATTGCTAACACCT
 ACAATCTTATAGAAGTGATAAAATATGTTAATAATTTTCATCCTGAAGAACTTTCTGCTTTATTGAGTAC
 TGGGGAGTTTCTAAAACCTCTTTTGAACGACTTGCATTTGTGCTTTCCAGTAATAGTCTTAAGCACTGT
 ACCGAACTTGAACCTTTAAGGCAGCCTGTCGCTGGCTAAGGTTGGAAGACCCTCGGATGGATTATGCTG
 CAAAGTTAATGAAGAATATTCGATTTCCACTGATGACACCACAGGATCTCATCAATTACGTGCAGACAGT
 AGATTTTATGAGAACAGACAATACCTGCGTGAATTTGCTTTTGGAAAGCTAGCAATTACCAATGATGCCA
 TATATGCAGCCAGTGTGAGTCAGATAGAAGTCCATTCGATCTGACTCCACTCACTTGGTTACATTAG
 GAGGAGTTTTGAGGCAGCAGCTGGTGTGTCAGTAAAGAATTACGGATGTATGATGAAAGGGCAAGAATG
 GAGATCTTAGCCCCAATGGATGCTCCCGTTACCAGCATGGTATTGCTGTCATTGGAACTTTCTTTAT
 GTAGTTGGTGGTCAAGTAATTATGATACAAAAGGAAAACTGCTGTTGATACAGTTTTCAGATTTGATC
 CTCGGTATAATAAATGGATGCAGTTGCATCATTAAATGAAAAGCGCACATTTCTTCACTTGATGCGCCT
 CAAAGGACATTTGTATGCAGTTGGTGGGCGCAGTGCAGCTGGTGAAGTGGCCACAGTAGAATGTTACAAC
 CCAAGAATGAATGAGTGGAGCTATGTTGCAAAAATGAGTGAACCCCACTATGGTCATGCTGGAACAGTAT
 ATGGAGGCTTAATGTATATTTTCCAGGAGGAATTACCCATGACACTTTCCAAAATGAGCTCATGTGTTTTGA
 CCCAGATACAGATAAATGGATGCAAAAGGCTCCAATGACTACAGTCAGAGGTCTGCATTGCATGTGTACA
 GTTGGAGATAAGCTCTATGTCATTGGTGGCAATCACTTCCAGGAAACAAGTATTATGATGATGTTCTAA
 GCTGTGAATACTATTCACCAACCCTTGACCAGTGGACCCCAATTGCCGCCATGTTAAGAGGCCAAAGTGA
 TGTTGGAGTTGCCGCTTTGAAAATAAAATCTATGTTGTTGGTGGATATCTTGGAAATACGTTGTATG
 GTAGAAAATGTCCAGAAATATGACCCAGAAAAGATGAGTGGCATAAAGTTTTTGTATCTCCAGAGTCAC
 TTGGTGGCATTGAGCCTGTACACTCACAGTTTTTCCACCTGAAGAAAACCTGGGTACCTTCTAGAGA
 ATCACCTCTTTCAGCACCTTCAGATCATTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203728 representing NM_018847
 Red=Cloning site Green=Tags(s)

MKVS LGNGEMGVS AHLQPCKAGTTRFFTSNTHSSVVLQGFQDLRIEGLLCDVTLVPGDGDEIFPVHRAMM
 ASADSYFKAMFTGGMKEQDLMLKHLHGKVNKVLKIIIDFIYAKLSLMDNLQDTLEAASFQILPVLDF
 CKVFLISGVSLDNCVEVGRIANTYNIIEVDKYVNNFILKNFPALLSTGEFLKLPFERLAFVLSNLSLKH
 TELELFKAACRWLRLEDPRMDYAAKLMKNIRFPLMTPQDLIN YVQTVDFMRTDNTCVNLLLEASNYQMMP
 YMQPVMQSDRTAIRSDSTHLVTLGGVLRQQLVSKELRMYDERAQEWRS LAPMDAPRYQHGI AVIGNFLY
 VVGGSNYDTKGTAVDVTFRFDPRYNKWMQVASLNEKRTFFHL SALKGHL YAVGGRSAAGELATVECYN
 PRMNEWSYVAKMSEPHYGHAGTVYGLMYISGGITHDTFQNELMCFDPD TDKWMQKAPMTTVRGLHCMCT
 VGDKLYVIGGNHFRGTSYDDVLSCEYYSP TLDQWTP IAAMLRGQSDVGVAVFENKIYVVGYSWNNRCM
 VEIVQKYDPEKDEWHKVFDPESLGGIRACTLTVFPPEENPGSPSRESPLSAPSDHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8112_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018847

ORF Size: 1851 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

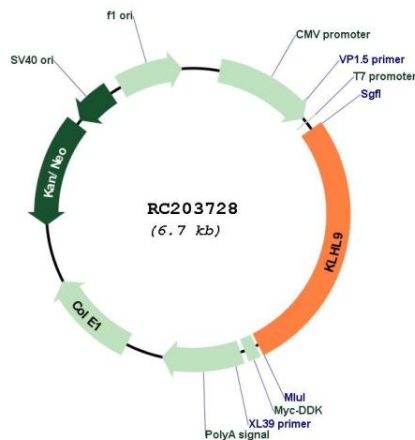
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_018847.4
RefSeq Size:	4412 bp
RefSeq ORF:	1854 bp
Locus ID:	55958
UniProt ID:	Q9P2J3
Cytogenetics:	9p21.3
Domains:	BTB, Kelch
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	69.2 kDa
Gene Summary:	This gene encodes a protein that belongs to the kelch repeat-containing family, and contains an N-terminal BTB/POZ domain, a BACK domain and six C-terminal kelch repeats. The encoded protein is a component of a complex with cullin 3-based E3 ligase, which plays a role in mitosis. This protein complex is a cell cycle regulator, and functions in the organization and integrity of the spindle midzone in anaphase and the completion of cytokinesis. The complex is required for the removal of the chromosomal passenger protein aurora B from mitotic chromosomes. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RC203728