

Product datasheet for **SC100463**

KLHL9 (NM_018847) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL9 (NM_018847) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100463 sequence for NM_018847 edited (data generated by NextGen Sequencing)

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ATGAAAGTGTCCCTTGGTAACGGCGAAATGGGCGTCTCTGCCATTTGCAGCCTTGTAAAG
GCAGGAACACACGCTTTTTTACCAGCAATACTCACAGTTCGGTGGTATTGCAAGGCTTT
GATCAGCTTAGAATAGAAGGATTGCTTTGTGATGTGACCTGGTACCAGGTGATGGAGAT
GAAATCTTCCCTGTTACAGAGCTATGATGGCGTCTGCTAGTGATTATTTCAAAGCCATG
TTCACAGGTGGAATGAAAGAACAAGATTTGATGTGCATTAAGCTTCATGGGGTGAACAAG
GTTGGTCTGAAGAAAATCATTGATTTTATTTATACTGCAAAACTTTCTCTTAATATGGAC
AATCTTCAGGACACACTTGAAGCTGCTAGCTTTTTACAAATATTACCCGTTTTGGATTTT
TGTAAGTATTTCTTATATCAGGAGTCTCTTTGGATAACTGTGTTGAGGTTGGACGAATT
GCTAACACCTACAATCTTATAGAAGTGGATAAATATGTTAATAATTTATCCTGAAGAAC
TTTCTGCTTTATTGAGTACTGGGAGTTTCTAAACTCCCTTTTGAACGACTTGCATTT
GTGCTTTCCAGTAATAGTCTTAAGCACTGTACCGAACTTGAACCTTTAAGGCAGCCTGT
CGCTGGCTAAGGTTGGAAGACCCTCGGATGGATTATGCTGCAAAGTTAATGAAGAATATT
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TATATGCAGCCAGTGATGCAGTCAGATAGAAGTCCCATTCGATCTGACTCCACTCACTTG
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CCAAGAATGAATGAGTGGAGCTATGTTGCAAAAATGAGTGAACCCCACTATGGTCATGCT
GGAACAGTATATGGAGGCTTAATGTATATTTAGGAGGAATTACCCATGACACTTTCCAA
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ACAGTCAGAGGTCTGCATTGCATGTGTACAGTTGGAGATAAGCTCTATGTCATTGGTGGC
AATCACTTCAGAGGAACAAGTATTATGATGATGTTCTAAGCTGTGAATACTATTACCA
ACCCTTGACCAGTGGACCCCAATTGCCGCCATGTTAAGAGGCCAAAGTATGTTGGAGTT
GCCGCTTTTGAATAAAATCTATGTTGTTGGTGGATATTCTTGAATAATCGTTGTATG
GTAGAAATTGTCCAGAAATATGACCCAGAAAAAGATGAGTGGCATAAAGTTTTTGATCTT
CCAGAGTCACTTGGTGGCATTTCGAGCCTGTACACTCACAGTTTTTCCACCTGAAGAAAAAC
CCTGGGTACCTTCTAGAGAATCACCTCTTTCAGCACCTTCAGATCATTCTTAG

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Clone variation with respect to NM_018847.2

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018847 unedited <pre> GGGGTGTTACCATTTTGTAAACGACTCATATAGGCGGCCGCGNATTCGGCACGAGGGT TGGGGCTAGGCCGGTATTCTAGGCCCAAGCCAGGCCAGGCCTGTGTTCCCGGCCCTTG CTCAAAGACAGGCCGGTGGCCGCTGCGACACTTAGGTACAGCGGAGGGCGCAGCGGGCC GTTTCGCTGAGGTGTCCGACCCGCCGCGAGCGGGCCGTGGAGCCACAGTACGTGGCGGC GCCTCTTCCTTGCCCGAAGCGGAAGTGTGAAGGAGCGGCAGCGCAGGCCGGACGAGGTG AACCAGGTCATTTAACC GCCTTCAGGTGATGAATCATCTGTCTAATAATCAGATTTGAGG TCCACAGCCCTTTGTGGTCCTGCTACAGGTGATTTTCAGTGGATGACTGACTGGCGTGG CCCGAGGGGTGCCGAGTGACTGCCTTCCTTGATAAGGAAACGAGCTTTCTGTTCTTTC TGGACACCTCGTTACCTGTAAACATTCCGTTTATAACTTCTTTATCCGCTTGATCTC TGTGCAAGAGGAAAGCTTTCACATGAAAGTGCCCTTGGTAACGGCGAAATGGGCGTCTC TGCCCATTTGCAGCCTTGTAAAGCAGGAACACACGCTTTTTTACCAGCAATACTCACAG TTCGGTGGTATTGCAAGGCTTTGATCAGCTTAGAATAGAAGGATTGCTTTGTGATGTGAC CCTGGTACCAGGTGATGGAGATGAAAATCTTCTGTTACAGAGCTATGATGGCGTCTGC TAGTGATTATTTCAAAGCCATGTTCAACAGTGGGAATGAAGAACCAGATTTGATGTGCAT TAAGCTTCATGGGTGAACAAGGTTGTCTGAAGAAATTATTGGTTTTATTATACCGCA AACTTCTTTTTATATGAN </pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018847 unedited <pre> TTTTTTTTTTTTTTTTTTTATGCAAGTTAAATTACATTTATTATATAAAGGGATCCTATA ACTTGATACGAAAAACAAAGCAACTCCAACAGATAACAGAAGGGCAAAAGGACAGGAACA TCTGATCAAAGAAACACAGCTACCGATAGCACACAAATATTCAACCTCATTAAATCAAA AGGATTAGGATGCACTTCTTGCTTATTCAATAAAGTTAATAATTTCTAATTTTTCTACTT TTCAAATGTACTCAAATGTGCTATTTTTAGTAATAAAAAACTGAGTAATAAAAAACAT AGAAAGTATGAAATTTCTGCCAATGCAGAAATCATAAACAGCATTAAAAATGAATCAACA CTTGATAGGGCAGTAAGGTTTCAGACCCCTAGAAGCCAATTCATTTTGCCTTGGTTCCTGA GTTTTATTATGGGATTGTCAATAAGGAGAAAGTTGTTCTGATTTACATGCTGACAATCT TCCAGGT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018847
Insert Size:	4700 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:	<u>NM_018847.1</u> , <u>NP_061335.1</u>

RefSeq Size: 4373 bp

RefSeq ORF: 1854 bp

Locus ID: 55958

UniProt ID: [Q9P2J3](#)

Cytogenetics: 9p21.3

Domains: BTB, Kelch

Protein Pathways: Ubiquitin mediated proteolysis

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]