

Product datasheet for **SC328986**

KLHL13 (NM_001168303) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL13 (NM_001168303) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL13
Synonyms:	BKLHD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001168303, the custom clone sequence may differ by one or more nucleotides

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ATGAAATTGTCCTTGGAGGCAGCGAAATGGGCCTCTCATCCCATTTGCAGTCTTCCAAG
GCAGGACCTACACGCATCTTTACCAGCAATACCCACAGTTCTGTGGTGTACAGGGCTTT
GACCAGCTTCGACTTGAAGGATTGCTTTGTGATGTGACCCTGATGCCAGGTGACACAGAT
GATGCTTTCCCTGTGCATAGAGTCATGATGGCATCTGCTAGTGATTACTCAAGGCTATG
TTCACAGGTGGAATGAAAGAACAAGATTTAATGTGCATTAACCTCATGGTGTGAGCAAA
GTCGGTCTAAGGAAAATTATTGATTTTATTTATACTGCAAAGCTTCTCTTAATATGGAC
AACCTTCAAGACACGCTGGAAGCTGCCAGTTTCTACAGATTCTGCCAGTTTTGGACTTC
TGTAAGTGTTCATATCTGGGGTCACTTTAGACAACGTGTTGAAGTTGGACGGATT
GCCAACACCTACAATCTAACCGAAGTGGATAAATACGTTAACAGTTTCGTCTGAAGAAT
TTTCTGCATTGCTGAGCACAGGGGAGTTCTTAAAACCTCTTTGAGCGTCTTGCCCTC
GTGCTTCCAGTAATAGCCTTAAGCACTGACTGAACTTGAGCTCTTAAAGCTACCTGT
CGTTGGCTTCGCCTGGAAGAGCCTCGGATGGACTTTGCTGCAAAATTAATGAAGAACATA
CGATTTCCACTGATGACACCACAGGAGCTCATAATTACGTGCAAACGGTGGATTTTCATG
AGAACTGACAATACTTGTGTGAATTTGCTTTTGAAGCCAGCAATTACCAAATGATGCCA
TATATGCAGCCAGTTATGCAGTCAGACAGGACTGCCATTAGGCTGACACCACACTCTTG
GTTACACTAGGAGGAGTCTGAGGCAGCAGCTGGTTGTCAGTAAGGAATTGCGCATGAT
GATGAAAAGGCCCATGAGTGGAAATCGTTAGCCCCATGGATGCCCAAGGTACCAGCAT
GGCATCGCCGTCATTGGAAATTTCTCTATGTGGTTGGCGGACAGAGTAATTATGATACA
AAAGGAAAAACGGCAGTTGATACAGTCTTCAGATTTGATCCTCGATACAATAAATGGATG
CAAGTTGCATCTTTAAATGAAAAGCGCACCTTCTTCCACCTAAGTGCCCTCAAAGGATAT
CTGTATGCAGTTGGTGGGCGAAATGCAGCAGGTGAACTGCCACAGTAGAATGTTACAAT
CCAAGAACAATGAATGGACCTATGTTGCCAAAATGAGTGAGCCCCACTATGGCCATGCT
GGAAGTGTGATGGAGGAGTGATGATATTTTCCAGGAGGAATTAATCATGATACTTTCCAA
AAGGAGCTCATGTGCTTTGACCCTGATACTGACAAATGGATCCAGAAGGCGCCAATGACC
ACTGTCAGAGGTCTGCATTGCATGTGTACAGTGGGAGAAAGGCTCTATGTCATTGGTGGC
AATCACTTCAGAGGAACAAGTATTATGATGATGTCCTAAGCTGTGAATACTATTACCT
ATCCTTGACCAGTGGACCCCAATTGCTGCCATGTTAAGAGGGCAGAGTGATGTTGGGGTC
GCTGTCTTCGAAAATAAATCTATGTGGTTGGGGGTATTCTTGAATAATCGTTGTATG
GTAGAGATAGTGCAGAAATATGATCCAGATAAAGATGAATGGCATAAGGTTTTTGTCTG
CCAGAATCCCTTGGTGGCATTCTGTGCTTGCACACTCACAGTTTTTCCACCAGAAGAAACC
ACACCATCACCTTCTAGAGAGTCCCCTCTTTCTGCACCTAA

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Restriction Sites: Please inquire

ACCN: NM_001168303

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_001168303.1, NP_001161775.1</u>
RefSeq Size:	3341 bp
RefSeq ORF:	1842 bp
Locus ID:	90293
UniProt ID:	<u>Q9P2N7</u>
Cytogenetics:	Xq24
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	<p>This gene encodes a BTB and kelch domain containing protein and belongs to the kelch repeat domain containing superfamily of proteins. The encoded protein functions as an adaptor protein that complexes with Cullin 3 and other proteins to form the Cullin 3-based E3 ubiquitin-protein ligase complex. This complex is necessary for proper chromosome segregation and completion of cytokinesis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon, compared to variant 1. The resulting isoform (e) is shorter at the N-terminus, compared to isoform a.</p>