

Product datasheet for **SC111483**

KLHL13 (NM_033495) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL13 (NM_033495) 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: >OriGene ORF within SC111483 sequence for NM_033495 edited (data generated by NextGen Sequencing)

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ATGCCATTGAAATGAAAAACGAGCTCTCCTGCTATCTGGAAATCCCAGTTCCTGTGCTT
AAAACATCCAGGTCAACTCCACTTTCTCCAGCATACATATCTCTCGTGGAAAGAGGAAGAC
CAACACATGAAATTGTCCTTGGAGGCAGCGAAATGGCCTCTCATCCCATTGCACTCT
TCCAAGGCAGGACCTACACGCATCTTACCAGCAATACCCACAGTCTGTGGTGTACAG
GGCTTTGACCAGTTCGACTTGAAGGATTGCTTTGTGATGTGACCCTGATGCCAGGTGAC
ACAGATGATGCTTCCCTGTGCATAGAGTCATGATGGCATCTGCTAGTGATTACTTCAAG
GCTATGTTACAGGTGGAATGAAAGAACAAGATTAATGTGCATTAACCTTCATGGTGTG
AGCAAAGTCGGTCTAAGGAAAATTATTGATTTCAATTTATACTGCAAAGCTTTCTCTTAAT
ATGGACAACCTTCAAGACACGCTGGAAGCTGCCAGTTTCTACAGATTCTGCCAGTTTTG
GACTTCTGTAAAGTGTCTCATATCTGGGGTCACTTTAGACAACGTGTTGAAGTTGGA
CGGATTGCCAACCTACAATCTAACCGAAGTGGATAAATACGTTAACAGTTTCGCTTG
AAGAATTTCTGCATTGCTGAGCACAGGGGAGTCTTGAACCTCCCTTTTGAGCGTCTT
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TGGATGCAAGTTGCATCTTTAAATGAAAAGCGCACCTTCTCCACCTAAGTGCCCTCAAA
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CATGCTGGAAGTGTGATGGAGGAGTGTATATTTTCCAGGAGGAATTACTCATGATACT
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ATGACCACTGTCAGAGGTCTGCATTGCATGTGTACAGTGGGAGAAAGGCTCTATGTCATT
GGTGGCAATCACTTCCAGAGGAACAAGTATTATGATGATGTCCTAAGCTGTGAATACTAT
TCACCTATCCTTGACCAGTGGACCCCAATTGCTGCCATGTTAAGAGGGCAGAGTGTGTT
GGGGTCGCTGTCTCGAAAATAAAATCTATGTGGTTGGGGGTATTCTTGGAAATAATCGT
TGTATGGTAGAGATAGTGCAGAAATATGATCCAGATAAAGATGAATGGCATAAAGTTTTT
GATCTGCCAGAATCCCTTGGTGGCATTGCTGCTTGCACTCACAGTTTTTCCACCAGAA
GAAACCACACCATCACCTTCTAGAGAGTCCCCTCTTTCTGCACCTTAA
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Clone variation with respect to NM_033495.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_033495 unedited</p> <pre>TATTTTGTAAACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGACAGATTGGAA GCATCGGTTTAAAGGCACTGGCAGAATCCTTTGCTTGTCTCCGCGGCAGCCACTGCTGT GTCAGTACAGTGTGGAATGGAAGCTTAGTTGGTAGTCTGTTATGGAAACGCTCTTTACT GTTATTGTAGTACCGTGGTGACAACATGCCATTGAAATGGAAAACGAGCTCTCCTGCTAT CTGGAAATCCCAGTTCCTGTGCTTAAAACATCCAGGTCACTCCACTTTCTCCAGCATA CATATCTCTCGTGAAGAGGAAGACCAACACATGAAATTGTCCCTTGGAGGCAGCGAAAT GGGCTCTCATCCCATTTGCAGTCTTCCAAGGCAGGACCTACACGCATCTTTACCAGCAA TACCCACAGTTTCTGTGGTGTACAGGGCTTTGACCAGCTTCGACTTGAAGGATTGCTTTG TGATGTGACCCTGATGCCAGGTGACACAGATGATGCTTCCCTGTGCATAGAGTCATGAT GGCATTCTGCTAGTGATTACTTCAAGGCTATGTTACAGGTGGAATGAAAGAACAAGATT TAATGTGCATTAACCTTCATGGTGTGAGCAAAGTCGGTCTAAGGAAAATTATTGATTTCA TTTATACTGCAAAGCTTTCTCTTAATATGGACAACCTTCAAGACACGCTGGAAGCTGCCA GTTTCTACAGATTCTGCCAGTTTGGACTTCTGTAAAGTGTCTCATATCTGGGGTCA CTTTAGACAACCTGTGTTGAAGTTGGACGGATTGCCAACACCTACAATCTAACCGAAGTGG TATATACGTTAACAGTTTCGTCTTTAGAATTTTCTGCTTGCACCCAGGGGGGAGGGGGGAG NACCTGACCTTTGCTTTGGATCGCTTTGCGCTTTTCCGTTTATAGGCTTAAGCTTAGGC CTGAACGAAACTGAGTCGCTAAAGCTCCTGCTTNTGGCTT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_033495 unedited</p> <pre>TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTACATTAATGTTTT TATTGAACAAAAAATAAAAACATGGGAAGTTGAATTTACTGAGCAAAAGCAGCTCTCC AGGTGAAGCTGCTATACTTTGTGCTAAATAACCTTATGAACTGAGTATACAGAATACATA TAATATGCAAGTTACCTCAACAGCAAAGGAGAAGGAGTAGAATACAGTTTTTGAAGATAA AATCTGGTCAAGTGACAAATTTTGTGCTCAAAATTTCTAGCCCTTATCCACCTAAATTC TGTATGGTTCTACATATATGCATTCAAGTATGTGCATACTGAATTTCCATTTTAAATGGAAG CTGCTTTTTGGAAGAATCTTTTAAATTTACATTTCTTTGATGTGCCACTCAATTTTTA AAAAAATTATATTTGACATATGTGCATGTGTATGTGTATGTATGTATACACACTTTAA AAACACCAAAACCCTTGTATAAGTAGAGGGTTCATGCTGCTTTTTAAATTAATATTAGT GAATTTAAGCTACTTCTCCTGTGTGTCTAGGAACTNNTGTGTCTCAATGCACCCACACA GTCAAGTGGGGTGACAGATATGTCAAAAATACTTTATGAAAAGAGGGANGTAGCTCATGC GAGTTGGCACCCTTTGTGATTGTTTCTGTTCAACAGGCTGCCTCCCTTTGACTCTTAC AGTCAAGATGAAAGGAACTTTTTACTGAGCCTAATGAGCCAGTNTGACATTACTATATC CACCTTCACTTGCTATGGGTTTACTATGGAGAAGACAATCCCTACCCCATCCCAAGATT AAAAGTCTGAGAACATTTATGACATACCTTTTTCAATGAAAATAACTCTATGGTACAT TCCAGAAGTTGGGTCCACTTATAATTTTCAGCCAACAAAGCCAAAAATAAGGTGT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_033495
Insert Size:	3000 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: [NM_033495.2](#), [NP_277030.2](#)

RefSeq Size: 3143 bp

RefSeq ORF: 1968 bp

Locus ID: 90293

UniProt ID: [Q9P2N7](#)

Cytogenetics: Xq24

Domains: BTB, Kelch

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a.