

## Product datasheet for **SC106316**

### KLHL7 (AL136597) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL7 (AL136597) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL7
Synonyms:	KLHL6; SBB126
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AL136597, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCCTCTGGGGTGGAGAAGAGCAGCAAGAAGAAGACCGAGAAGAACTTGCTGCTCGGGAAGAAG
CTAAATTGTTGGCGGGTTTCATGGCGTCATGAATAACATGCGGAAACAGAAAACGTTGTGTGACGTGAT
CCTCATGGTCCAGGAAAGAAAGATACCTGCTCATCGTGTGTTCTTGCTGCAGCCAGTCATTTTTTAAC
TTAATGTTCAACAATAACATGCTTGAATCAAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATA
TTATTGAACAACCTGGTGAATTTGCTTATACTGCTAGAATTTCCGTGAATAGCAACAATGTTTCAGTCTTT
GTTGGATGCAGCAAAACCAATATCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTTAAAGAACAA
GTTGATGCTTCAAATTGCTTGGTATAAGTGTGCTAGCGGAGTGTCTAGATTGCTCCTGAATTGAAAGCAA
CTGCAGATGACTTTATTCATCAGCACTTACTGAAGTTTACAAAACCTGATGAATTTCTTCAACTTGATGT
CAAGCGAGTAACACATCTTCTCAACCAGGACACTCTGACTGTGAGAGCAGAGGATCAGGTTTATGATGCT
GCAGTCAGGTGGTTGAAATACGATGAGCCTAATCGCCAGCCATTTATGGTTGATATCCTTGCTAAAGTCA
GGTTTCCTCTTATATCAAAGAATTTCTTAAGTAAAACGGTACAAGCTGAACCACTTATTCAGACAATCC
TGAATGCCTTAAGATGGTGATAAGTGAATGAGGTACCATCTACTGTCTCCAGAGGACCGAGAAGAACTT
GTAGATGGCACAAGACCTAGAAGAAAGAAACATGACTACCGCATAGCCCTATTTGGAGGCTCTCAACCAC
AGTCTTGTAGATATTTAAACCAAAGGATTATAGCTGGACAGACATCCGCTGCCCTTTGAAAAACGAAG
AGATGCAGCATGCGTGTGTTGGGACAAATGATGATACATTTTGGGAGGCTCTCAGCTTTTCCCAATAAAG
CGAATGGACTGCTATAATGTAGTGAAGGATAGCTGGTATTCGAAACTGGGTCTCCGACACCTCGAGACA
GCCTTGCTGCATGTGCTGCAGAAGGCAAAATTTATACATCTGGAGGTTGAGAAGTAGGAACTCAGCTCT
GTATTTATTTGAGTGTATGATACGAGAAGTAAAAGCTGGCACACAAAGCCAGCATGCTGACCCAGCGC
TGCAGCCATGGGATGGTGAAGCAATGGCCTAATCTATGTTTGGTGGAAAGTTAGGAAACAATGTTT
CAGGGAGAGTGCTTAATTCCTGTGAAGTTATGATCCTGCCACAGAAACATGGACTGAGCTGTGTCCAAT
GATTGAAGCCAGGAAGAATCATGGGCTGGTATTTGTAAGACAAGATATTTGCTGTGGGTGGTCAAGT
GGTTTAGGTGGTCTGGACAATGTGGAATATTACGATATTAAGTTGAACGAATGGAAGATGGTCTCACAA
TGCCATGGAAGGGTGAACAGTGAATGTGCAGCAGTTGGCTCTATAGTTTATGTCTTGGCTGGTTTTCA
GGGTGTTGGTGGATTAGGACACATTCTCGAATATAATACCGAAACAGACAATGGGTTGCCAACTCCAAA
GTTTCGTGCTTTCCAGTCACAAGTTGTTAATTTGTGTTGTCGATACTTGTGGAGCAATGAAGAGACCC
TTGAAACATGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for AL136597 unedited

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GCATTTTGAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGTAGCGTCGC
TCCCTGAGCGTTTCTAGGGGGCCCGCCGCTTGTCTTTCGGCAGTGGCCGAGCCACCGC
CGCCTGCCGCGCTTCCAGAGCTGGGCGCTGCAGCTGCACTGCCGATCGCCGTGTTTGGT
CGATAGAATCCCAGTGTGCCAGAGAGTGCACCCCTCGCCCGCCGCGGAGCCCGG
GGTGAACCGAGCTGAGGGAGGATGGCAGCCTCTGGGGTGGAGAAGAGCAGCAAGAAGAA
GACCGAGAAGAACTTGCTGCTCGGGAAGAAGCTAAATTTGGCGGGTTTCATGGGCGT
CATGAATAACATGCGGAAACAGAAAACGTTGTGTGACGTGATCCTCATGGTCCAGGAAAG
AAAGATACCTGCTCATCGTGTGTTCTTGTGCTGCAGCCAGTCATTTTTTAACTTAATGTT
CACAACTAACATGCTTGAATCAAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGA
TATTATTGAACAACCTGGTGAATTTGCTTATACTGCTAGAATTTCCGTGAATAGCAACAA
TGTTTCAGTCTTTGTTGGATGCAGCAAACCAATATCAGATTGAACCTGTGAAGAAAATGTG
TGTTGATTTTTTAAAGAACAAAGTTGATGCTTCAAATTTGCTTGGTATAAGTGTGCTAGC
GGAGTGTCTAGATTGTCTGATTGAAAGCACTGCAGATGACTNTATTCATCAGCACTTTT
ACTGAGTTTACAAAACCTGATGAAATTTCAACTTGATGTCAAGCGAGTAACACATCTTC
TCAACCCAGACACTCTGACTGTGNAGAGCAGAGGATCAGGNT
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for AL136597 unedited NCCCCAGGGTCGCTGACCCAATCCANGTTCAGTTTTATTTCTTTTTTTTAAAGTTAAAAA AATTTAATATTATCAGATAAAAAACATTGATTGTGACAGCTTTACATGTTTCATTCCATAC ACANGTGAAAAAGGCAAAGTATTACTAGGAAGGAAATGAGTAGTTGGGTTTGAAAAGAT TTATTGATCACATAAAAGCAATGAATAGGAGATGACATATATCTAACTCATGATTACAAA ACTTTTAGAGACAACACTAGGTAAATATTTTCATGTTTTGGCTAAGGGAAAAGAATTCATGA TCTCGTTAAAGAAGTTCAAAGTCAACACTGATATTGTACAACACTACCAGTGCTTTTCTAAT GATCTAGAAATTTGCTATAAATAGCTTTACTTTTTGCTAGTTAATCACTTACTATGATTG GGTTTTATTTAACAGTGAGGACTAAAGAGGCAGAATCCTTTTTTAACCACTGGATAAAAC AGAGACATAAAATTAATGATGGGTGCTAAGCTTTACATTTTATGTTAAAAAGATGGAATAT ATTTAAGTGGATTGAATATATTTTCATGAGGAGTTGGACATATTAACCCCAAATCTGTT TAGGAAGTTTTGTGAGAAAGTGTGTATATGCCTTGACTCACTCTGGCTTACTTTTAAAT GGAATACATTTGGCACTAAATAAAATAAATAGACCAGCCAACCTGTGAGACTAAGCTGCTC CATCTGAGTTGCCATCTTGACTTACAATTCATACTATTTCTTAGGTCTTGACTGAGCAC AAACAGACCTAACCGTATAGCACTTCTGTGATGCATGAAAATAGAATCTAGAGCTAAATA CTGCGCTCACTGATGAGCCAATCTTCTTTCTGCCAAAATCATAGTTCAATGTGAAATCAT TCAGAATATCCATTTTTAACAAAGCTTATTCTTTTTTC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AL136597
<b>Insert Size:</b>	3300 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">AL136597.1</a> , <a href="#">CAB66532.1</a>
<b>RefSeq Size:</b>	3028 bp
<b>RefSeq ORF:</b>	3028 bp
<b>Locus ID:</b>	55975
<b>Cytogenetics:</b>	7p15.3
<b>Domains:</b>	BTB, Kelch

**Gene Summary:**

This gene encodes a BTB-Kelch-related protein. The encoded protein may be involved in protein degradation. Mutations in this gene have been associated with retinitis pigmentosa 42. [provided by RefSeq, Feb 2010]