

## Product datasheet for **SC127720**

### **KLHL7 (NM\_018846) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KLHL7 (NM_018846) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL7
Synonyms:	CISS3; KLHL6; PERCHING; 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 NM\_018846, the custom clone sequence may differ by one or more nucleotides

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ATGGTCCAGGAAAGAAAGATACCTGCTCATCGTGTGTTCTTCTGCTGCAGCCAGTCATTTTTTAACTTAA
TGTTCACTAACATGCTTGAATCAAAGTCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATATTAT
TGAACAACCTGGTGAATTTGCTTATACTGCTAGAATTTCCGTGAATAGCAACAATGTTTCAGTCTTTGCTG
GATGCAGCAAACCAATATCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTTGAAGAACAAGTTG
ATGCTTCAAATTGCTTGGTATAAGTGTGCTAGCGGAGTGTCTAGATTGCCTGAATTGAAAGCAACTGC
AGATGACTTTTATCATCAGCACTTTACTGAAGTTTACAAAAGTGAATTTCTCAACTTGATGTCAAG
CGAGTAACACATCTTCTCAACCAGGACTCTGACTGTGAGAGCAGAGGATCAGGTTTATGATGCTGCAG
TCAGGTGGTTGAAATACGATGAACCTAATCGCCAGCCATTTATGGTTGATATCCTTGCTAAAGTCAGGTT
TCCTCTTATATCAAAGAATTTCTTAAGTAAAACGGTACAAGCTGAACCACTTATTCAAGACAATCCTGAA
TGCCCTAAGATGGTGATAAGTGGATGAGGTACCATCTACTGTCTCCAGAGGACCGAGAAGAACTGTAG
ATGGCACAAAGACCTAGAAGAAAGAAACATGACTACCGCATAGCCCTATTTGGAGGCTCTCAACCACAGTC
TTGTAGATATTTTAAACCAAAGGATTATAGCTGGACAGACATCCGCTGCCCTTTGAAAAACGAAGAGAT
GCAGCATGCGTGTGTTGGGACAATGTAGTATACATTTTGGGAGGCTCTCAGCTTTTCCCAATAAAGCGAA
TGGACTGCTATAATGTAGTGAAGGATAGCTGGTATTCGAAACTGGGTCTCCGACACCTCGAGACAGCCT
TGCTGCATGTGCTGCAGAAGGCAAAATTTATACATCTGGAGGTTTCAAGTAGGAAACTCAGCTCTGTAT
TTATTTGAGTGTATGATACGAGAAGTAAAGCTGGCACACAAAGCCAGCATGCTGACCCAGCGCTGCA
GCCATGGGATGGTGAAGCCAATGGCCTAATCTATGTTTGGTGGAAAGTTTAGGAAACAATGTTTCTGG
GAGAGTGTCTAATCTCTGTAAGTTTATGATCTGCCACAGAAACATGGACTGAGCTGTGTCCAATGATT
GAAGCCAGGAAGAATCATGGGCTGGTATTTGTAAAAGACAAGATATTTGCTGTGGTGGTGTGCAAGTGGT
TAGGTGGTCTGGACAATGTGGAATATTAGATATTAAGTTGAACGAATGGAAGATGGTCTACCAATGCC
ATGGAAGGGTGTAAAGTGAATGTGCAGCAGTTGGCTCTATAGTTTATGCTTGGCTGTTTTCAGGGT
GTTGGTCGATTAGGACACATTCTCGAATAATAACCGAAACAGACAAATGGGTTGCCAACTCCAAGTTC
GTGCTTTTCCAGTCACAAGTTGTTAATTTGTGTTGTCGATACTGTGGAGCAAATGAAGAGACCCTTGA
AACATGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_018846 unedited

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GTAATACGACTTCACTATAGGGCGGCCGATTCCGGCACGAGGGCCCGGGACGCAGCCC
AGTTGGTAGCGTCGCTCCCTGAGCGTTTCTAAGGGGGCCGCCCGCCTTGTCTTTCGGCA
GTGGCCGAGCCACCGCCGCTGCCGCGCTTCCAGAGCTGGGCGCTGCAGCTGCACTGCC
GATCGCCGTGTTGGTCGATAGAATCCCCAGTGTGCCAGAGAGTGCACCCCTCGCCCG
GCCCGGCGAGCCCGGGCGTGAACCGAGCTGAGGGAGGATGCCAGCCTCTGGGGTGGAGA
AGAGCAGCAAGAAGAAGACCGAGAAGAACTTGCTGCTCGGGAAGAAGCTAAATTTGGTGG
CGGGTTTTCATGGCGTCAATGAATAACATGCGGAAACAGAAAACGTTGTGTGACGTATCC
TCATGGTCCAGGAAAGAAAGATACCTGCTCATCGTGTGTTCTTCTGCTGCAGCCAGTCATT
TTTTTAACTTAATGTTCACTAACATGCTTGAATCAAAGTCTTTGAAGTAGAACTCA
AAGATGCTGAACCTGATATTATTGAACAAGTGGTGAATTTGCTTATACTGCTAGAATTT
CCGTGAATAGCAACAATGTTTCAGTCTTTGCTGGATGCAGCAAACCAATATCAGATTGAAC
CTGTGAAGAAAATGTGTGTTGATTTTTTGAAGAACAAGTTGATGCTTCAAATTTGCTTG
GTATAAGTGTGCTAGCGGAGTGTCTAGAATTGCCTGAATTGAAAGCACTGCAGATGA
CTNTATTCATCAGCACTTTACTGAAGTTNACAACTGATGAATTNCTTCAACTTGATGTC
AGCGAGTACACATCTTCTCAACCAGAAGTCTGACTGTGAAGCANAGGACAGGTTATGATG
CTGCATCAGGTGTTGAATCNATGAACTATCGCAGCATTATGGTGAATCTGCTAA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_018846 unedited GGGCCGCAATCTAGAGTCGAGNTTAAGTTAAAAAAT ATTTAATATTATCAGATAAAAACATTGATTGTGACAGCTTTACATGTTTCATTCCATACA CAGTGA AAAAGGCAAAGTATTACTAGGAAGGAAATGAGTAGTTGGGTTTGTA AAAAGATTT ATTGATCACATAAAAAGCAATGAATAGGAGATGACATATATCTAACTCATGATTACAAAAC TTTTAAAGACA ACTAGTTAAATATTTTCATGTTTTGGCTAAGGGAAAAGAATTCATGATC TCGTTAAAGAAGTCAAAGTCAACTGATATTGTACA ACTACCAGTGCTTTTCTAATGA TCTAAAAATGTGCTATAAATAGCTTTACTTTTTGCTAGTTAATCACTTACTATGATTGGG TTTTATTTAACAGTGAGGACTAAAGAGGCAGAATCCTTTTTTAACCACTGGATAAAAACAG AGACATAAATTAATGATGGGTGCTAAGCTTTACATTTTATGTTAAAAAGATGGAATATAT TTAAGTGGATTGAATATATTTTCATGAGGAGTTGGACATATTAACCCCAAATCTGTTTA GGAAGTTTGTGAGAAAGTGTGTATATGCCTTGACTCACTCTGGCTTACTTTTAAATGG AATACACTTTGGCACTAAATAAAAATAAATAGACAAGCAA ACTGTGAGACTAAGCTGCTCC ATCTGAGTTGCCATCTTGACTTACATNCATACTATTTCTTAGNTCTGACTGAGCCANA CAGACCTAACCGTATAGCACTTCTGTGATGCATGAAAATAGAATCTAGAGCTAAGATACT CGGCTCACTGATGAGGCAATTTTCTATTCTGCCAAATAATAGTTCCAATGTTGAATTCA TTCAGGAATNACATTTTTTACAAAGCTTATACTTTTCAGTTCTGCTAAATAGTCTCTGGG TTTGAGGCGCTAAAT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018846
<b>Insert Size:</b>	3000 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="#">NM_018846.2</a> , <a href="#">NP_061334.2</a>
<b>RefSeq Size:</b>	3279 bp
<b>RefSeq ORF:</b>	3279 bp
<b>Locus ID:</b>	55975
<b>UniProt ID:</b>	<a href="#">Q8IXQ5</a>
<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]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.