

## Product datasheet for **SC302555**

### KLHL7 (NM\_001031710) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL7 (NM_001031710) 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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ATGGTCCAGGAAAGAAAGATACCTGCTCATCGTGTGTTCTTGCTGCAGCCAGTCATTTTTTTAACTTAA
TGTTCAACAATAACATGCTTGAATCAAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATATTAT
TGAACAACCTGGTGAATTTGCTTATACTGCTAGAATTTCCGTGAATAGCAACAATGTTTCAGTCTTTGCTG
GATGCAGCAAACCAATATCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTTGAAGAACAAGTTG
ATGCTTCAAATTGCTTGGTATAAGTGTGCTAGCGGAGTGTCTAGATTGCCTGAATTGAAAGCAACTGC
AGATGACTTTTATCATCAGCACTTTACTGAAGTTTACAAAACCTGATGAATTTCTCAACTTGATGTCAAG
CGAGTAACACATCTTCTCAACCAGGACTCTGACTGTGAGAGCAGAGGATCAGGTTTATGATGCTGCAG
TCAGGTGGTTGAAATACGATGAACCTAATCGCCAGCCATTTATGGTTGATATCCTTGCTAAAGTCAGGTT
TCCTCTTATATCAAAGAATTTCTTAAGTAAAACGGTACAAGCTGAACCACTTATTCAAGACAATCCTGAA
TGCCCTTAAGATGGTGATAAGTGGATGAGGTACCATCTACTGTCTCCAGAGGACCGAGAAGAACTTGTA
ATGGCACAAAGACCTAGAAGAAAGAAACATGACTACCGCATAGCCCTATTTGGAGGCTCTCAACCACAGTC
TTGTAGATATTTTAAACCAAAGGATTATAGCTGGACAGACATCCGCTGCCCTTTGAAAAACGAAGAGAT
GCAGCATGCGTGTGTTGGGACAATGTAGTATACATTTTGGGAGGCTCTCAGCTTTTCCCAATAAAGCGAA
TGGACTGCTATAATGTAGTGAAGGATAGCTGGTATTCGAAACTGGGTCCTCCGACACCTCGAGACAGCCT
TGCTGCATGTGCTGCAGAAGGCAAAATTTATACATCTGGAGGTTGAGAAGTAGGAAAACCTCAGCTCTGAT
TTATTTGAGTGCATGATACGAGAAGTAAAGCTGGCACACAAAGCCAGCATGCTGACCCAGCGCTGCA
GCCATGGGATGGTGAAGCCAAATGGCCTAATCTATGTTTGGTGGAAAGTTTAGGAAACAATGTTTCTGG
GAGAGTGCTTAATTCCTGTGAAGTTTATGATCCTGCCACAGAAACATGGACTGAGCTGTGCCAATGATT
GAAGCCAGGAAGAATCATGGGCTGGTATTTGTAAGACAAGATATTTGCTGTGGTGGTGCAGAAATGTT
TAGGTGGTCTGGACAATGTGGAATATTACGATATTAAGTTGAACGAATGGAAGATGGTCTACCAATGCC
ATGGAAGGGTGTAAACAGTAAATGTGCAGCAGTTGGCTCTATAGTTTATGCTTGGCTGTTTTCAGGGT
GTTGGTCGATTAGGACACATTCTCGAATAAATACCGAAACAGACAAATGGGTTGCCAACTCCAAAGTTC
GTGCTTTTCCAGTCACAAGTTGTTAATTTGTGTTGTCGATACTGTGGAGCAAATGAAGAGACCCTTGA
AACATGA
    
```

**Restriction Sites:** NotI-NotI

**ACCN:** NM\_001031710

**Insert Size:** 3100 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).

**OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_001031710.1.

**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\\_001031710.1](#), [NP\\_001026880.1](#)

**RefSeq Size:** 3137 bp

**RefSeq ORF:** 1761 bp

**Locus ID:** 55975

**UniProt ID:** [Q8IXQ5](#)

**Cytogenetics:** 7p15.3

**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 (1) encodes the longest isoform (1).