

Product datasheet for **SC304834**

KLHL14 (NM_020805) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL14 (NM_020805) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304834 representing NM_020805.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTCAGATCCGGGGACAGGACCTCCACCTTCGACCCAGCCACAGCGACAACCTGCTGCACGGCCTC
AACCTGTGTGGAGGAAGCAGCTGTTTTGCGACGTGACCTGACGGCCAGGGCCAGCAGTTCCATTGC
CACAAAGCCGTGCTGGCCCTCTGCTCGCAGTACTTCCGATCGCTCTTCTCCAGCCACCCCTCTCGGG
GGAGGGTTCGGCGCCAGGACGGCTGGGGGCCCAAGGACCAGCAGCAGCCGCCGAGCAGCAGCCG
TCACAGCAGCAGCAGCCGCCCGCAGGAGGAGCCGGGACTCCTTCTTCTCCCCGACGACAAGCTG
CTGACCAGCCCCGGCCATCAACAACCTGGTGTGCAGGGTGTCTGTCCATCGGGCTGCGCTGGTG
CTCGAGTACCTCTACACGGCCAACGTGACCCTGTCCCTGGACACGGTGGAGGAGGTGTCTGCGTGCAG
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TACCTGGTGGAGGATGTGCTGCTCAACTTCGAGGAGATGCGCGCCCTGCTGGACTCGTGCCGCC
CCCGTGGAGTCCGAGCTGGCGCTTCCAGATGTCCGTGCTGTGGCTGGAGCAGCAGCCGAGACCCGC
ATGCAGTATGCGCCTGACCTCATGAAGCGCTCCGCTTCGCCCTCATCCCGGCCCGGAGCTGGTGGAG
CGGGTCCAGTCACTGGATTTTCATGCGAACCGACCCGGTCTGCCAGAAGCTGTGCTGGACGCCATGAAC
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CAAACCTCCATTTGGAGGGTGAAGTGGCCCTGGCTGTGCAAGTCTTGTGACAGCATTACCTTGTG
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TCTTGTGTACCATAACAATAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_020805

Insert Size: 1887 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: 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:

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_020805.2](#)

RefSeq Size: 4259 bp

RefSeq ORF: 1887 bp

Locus ID: 57565

UniProt ID: [Q9P2G3](#)

Cytogenetics: 18q12.1

MW: 70.7 kDa

Gene Summary: The protein encoded by this gene is a member of the Kelch-like gene family, whose members contain a BTB/POZ domain, a BACK domain, and several Kelch domains. The encoded protein possesses six Kelch domains and localizes to the endoplasmic reticulum, where it interacts with torsin-1A. [provided by RefSeq, Sep 2015]