

Product datasheet for **RC224032**

KLHL7 (NM_018846) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL7 (NM_018846) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KLHL7
Synonyms:	CISS3; KLHL6; PERCHING; SBBI26
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC224032 representing NM_018846
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCAGGAAAGAAAGATACCTGCTCATCGTGTGTTCTTCTGCTGCAGCCAGTCATTTTTTAACTTAA
 TGTTCAACAATAACATGCTTGAATCAAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATATTAT
 TGAACAACCTGGTGAATTTGCTTATACTGCTAGAATTTCCGTGAATAGCAACAATGTTTCAGTCTTTGCTG
 GATGCAGCAAACCAATATCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTTGAAGAACAAGTTG
 ATGCTTCAAATTGCTTGGTATAAGTGTCTAGCGGAGTGTCTAGATTGCCTGAATTGAAAGCAACTGC
 AGATGACTTTATTCATCAGCACTTTACTGAAGTTTACAAAATGATGAATTTCTCAACTGATGTCAAG
 CGAGTAACACATCTTCTCAACCAGGACTCTGACTGTGAGAGCAGAGGATCAGGTTTATGATGCTGCAG
 TCAGGTGGTTGAAATACGATGAACCTAATCGCCAGCCATTTATGGTTGATCCTTGCTAAAGTCAGGTT
 TCCTCTTATATCAAAGAATTTCTTAAGTAAAACGGTACAAGCTGAACCACTTATCAAGACAATCCTGAA
 TGCCCTTAAGATGGTGATAAGTGAATGAGGTACCATCTACTGTCTCCAGAGGACCGAGAAGAACTTGTA
 ATGGCACAAAGACCTAGAAGAAAGAAACATGACTACCGCATAGCCCTATTTGGAGGCTCTCAACCACAGTC
 TTGTAGATATTTAAACCAAAGGATTATAGCTGGACAGACATCCGCTGCCCTTTGAAAAACGAAGAGAT
 GCAGCATGCGTGTGTTGGGACAATGTAGTATACATTTGGGAGGCTCTCAGCTTTTCCCAATAAAGCGAA
 TGGACTGCTATAATGTAGTGAAGGATAGCTGGTATTCGAACTGGGTCTCCGACACCTCGAGACAGCCT
 TGCTGCATGTGCTGCAGAAGGCAAAATTTATACATCTGGAGGTTGAGAAGTAGGAACTCAGCTCTGTAT
 TTATTTGAGTGTATGATACGAGAAGTGAAGCTGGCACAAAAGCCAGCATGCTGACCCAGCGCTGCA
 GCCATGGGATGGTGAAGCCAATGGCTAATCTATGTTTGTGGTGAAGTTTAGGAAACAATGTTTCTGG
 GAGAGTGCTTAATTCCTGTGAAGTTTATGATCCTGCCACAGAAACATGGACTGAGCTGTGTCCAATGATT
 GAAGCCAGGAAGAATCATGGGCTGGTATTTGTAAGACAAGATATTTGCTGTGGGTGGTGAAGTGGT
 TAGGTGGTCTGGACAATGTGGAATATTACGATATAAGTTGAACGAATGGAAGTGGTCTCACCAATGCC
 ATGGAAGGGTGAACAGTGAATGTGCAGCAGTTGGCTCTATAGTTTATGCTTGGCTGGTTTTCCAGGGT
 GTTGGTCGATTAGGACACATTCTCGAATAAATACCGAAACAGACAAATGGGTTGCCAATCCAAAGTTC
 GTGCTTTCCAGTCACAAGTTGTTAATTTGTGTTGTCGATACTTGTGGAGCAAATGAAGAGACCCTTGA
 AACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224032 representing NM_018846
 Red=Cloning site Green=Tags(s)

MVQERKIPAHRVVLAASHFFNLMFTTNMESKSFLEVELKDAEPDIEQLVEFAYTARISVNSNNVQSL
 DAANQYQIEPVKMKCVDFLKEQVDASNCLGISVLAECDCPELKATADDFIHQHFTEVYKTDNFLQDVK
 RVTHLLNQDTLTVRAEDQVYDAVRWLKYDEPNRQPFMVDILAKVRFPLISKNFLSKTVQAEPLIQDNPE
 CLKMVISGMRYHLLSPEDREELVDGTRPRRKHRYRIALFGGSQPQSCRYFNPKDYSWTDIRCPFEKRRD
 AACVFDNVVYILGGSQFLPIKRMDCYNVVKDSWYSKLGPPTPRDSLAAACAAEGKIYTSGGSEVGNALY
 LFECYDTRTESWHTKPSMLTQRCSHGMVEANGLIYVCGGSLGNNVSGRVLNSCEVYDPATETWTELCPMI
 EARKNHGLVVFVKDKIFAVGGQNLGGLDNVEYYDIKLNWKMVSPMPWKGVTVKCAAAGSIVYVLAGFQG
 VGRLGHILEYNTETDKWVANSKVRAFPVTSCLICVVDTCGANEETLET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_018846
ORF Size:	1614 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_018846.5
RefSeq Size:	3279 bp
RefSeq ORF:	1617 bp
Locus ID:	55975
UniProt ID:	Q8IXQ5
Cytogenetics:	7p15.3
Domains:	BTB, Kelch
MW:	60.7 kDa
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]