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Product datasheet for RC205228

KLHL11 (NM_018143) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL11 (NM_018143) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KLHL11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC205228 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCTGCGGCAGTGGCGGCGGCGGCGGCGGCCGCGGCTGCATCTCTTCAGGTACTGGAGATGG
AGAGCATGGAGACGGCCGCCGCCGGCTCGGCAGGACTGGCCGCCGAGGTCCGAGGCAGCGGCACGGTGGA
CTTCGGGCCTGGGCCGGGGATCTCTGCAATGGAGGCGAGCGGGGGCGATCCGGGCCCAGAAGCCGAGGAT
TTCGAGTGCAGCTCTCACTGCTCAGAGCTGTCCTGGCGGCAGAACGAGCAGCGGCGCCAGGGCCTCTTCT
GCGACATTACCCTGTGCTTCGGCGGGGCTGGAGGCCGCGAGTTCCGGGCCCACCGCTCGGTACTGGCTGC
CGCCACCGAGTACTTCACGCCCCTGCTCTCGGGCCAGTTTTCCGAGTCCCGCTCGGGACGGGTGGAGATG
CGCAAGTGGAGCTCCGAGCCGGGGCCCGAACCCGACACAGTGGAAGCCGTAATCGAGTACATGTACACCG
GGCGCATCCGCGTCAGCACGGGCAGCGTGCACGAGGTGCTGGAGTTGGCCGACAGGTTCCTACTCATTCG
TTTAAAAGAATTTTGTGGAGAATTTCTCAAGAAAAAACTTCATCTCTCAAATTGTGTGGCAATTCATAGC
TTAGCACACATGTACACCCTGAGCCAACTTGCTCTGAAGGCTGCTGATATGATACGGAGAAATTTCCACA
AAGTGATTCAGGATGAAGAATTTTATACGTTACCTTTCCATCTCATTAGAGACTGGCTTTCAGATTTGGA
AATTACTGTTGATTCTGAAGAGGTTCTCTTTGAAACCGTTTTGAAATGGGTTCAGAGAAATGCTGAAGAG
AGAGAGAGATACTTTGAAGAACTTTTTAAATTGCTCAGGTTGTCCCAGATGAAACCTACCTACCTTACTC
GACATGTCAAACCAGAGAGGCTGGTAGCCAATAATGAAGTTTGTGTCAAGTTGGTCGCTGACGCAGTGGA
GAGACATGCTCTGAGAGCTGAGAATATACAATCTGGCACATGCCAGCACCCCACTTCTCATGTGTCACTA
TTGCCTCGTTATGGGCAAAACATGGATGTGATCATGGTTATTGGAGGTGTGTCAGAAGGAGGGGACTATT
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CGATGGACATGCTGTTGCAGTAACAGAATCCTACGTGTATGTTGCTGGATCAATGGAGCCAGGGTTTGCT
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GGGACACTGAAGATGGATTAAAGGCTGTAATTACTTGCTATGATACAGAGACTCGACAGTGGCAAGATGT
GGAATCTTTGCCGCTTATTGACAATTACTGCTTTTTCCAAATGTCTGTGGTCAATTCAAACTTTTATCAG
ACAGCATCATGTTGTCCCAAGAGTTATTGTTTAGAAAACGAAGAGGCAGTAAGAAAAATTGCCAGCCAAG
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CAAAGATGATGTCTTCATTATAGGAGGCTGGAAAAACAGTGATGATATTGATAAACAGTATCGGAAAGAA
GCCTACCGATATTGTGCGGAGAGGAAGAGGTGGATGCTTCTTCCTCCTATGCCACAACCTCGTTGTAGAG
CCACTGCTTGTCACGTGAGGATCCCGTACCGGTACTTGCATGGCACACAGAGATACCCTATGCCTCAAAA
CCTGATGTGGCAGAAGGACCGCATCAGACAGATGCAAGAGATACATCGTCACGCCCTGAACATGAGGCGA
GTGCCAAGCTCTCAGATTGAATGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205228 protein sequence
Red=Cloning site Green=Tags(s)

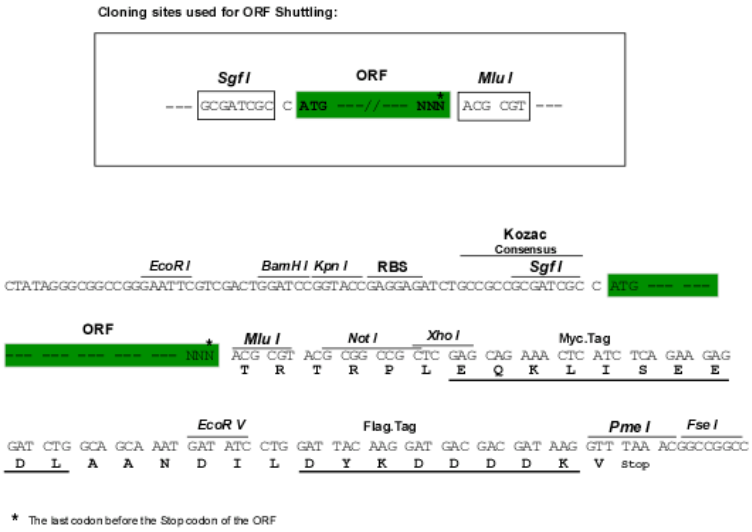
MAAAAVAAAAAAAAAASLQVLEMESMETAAAGSAGLAAEVRGSGTVDFGPGPGISAMEASGGDPGPEAED
FECSSHCSELSWRQNEQRRQGLFCDITLCFGGAGGREFRAHRSVLAAATEYFTPLLSGQFSESRSGRVEM
RKWSSEPGPEPDTVEAVIEYMYTGRIRVSTGSVHEVLELADRFLLIRLKEFCGEFLKKKLHLSNCVAIHS
LAHMYTLSQLALKAADMIRRNFHKVIQDEEFYTLPFHLIRDWLSDLEITVDSEEVLFETVLKWVQRNAEE
RERYFEELFKLLRLSQMKPTYLTRHVKPERLVANNEVCVKLVADAVERHALRAENIQSGTCQHPTSHVSL
LPRYGQNMDVIMVIGGVSEGGDYLSECVGYFVDEDRWVNLPHIHNHLDGHAVAVTESYVYVAGSMEPGFA
KTVERYNPNLNTWEHVCSLMTRKHSFGLTEVKGKLYSIGGHGNFSPGFKDVTVYNPELDKWHNLESAPKI
LRDVKALAIEDRFVYIAARTPVDRDTEDGLKAVITCYDTETRQWQDVESLPLIDNYCFFQMSVVNSNFYQ
TASCCPKSYCLENEEAVRKIASQVSDEILESLPPEVLSIEGAAICYYKDDVFIIGGWKNSDDIDKQYRKE
AYRYCAERKRWMLLPPMPQPRCRATACHVRIPYRYLHGTQRYPMPQNLMWQKDRIRQMQEIHRHALNMRR
VPSSQIEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6313_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018143

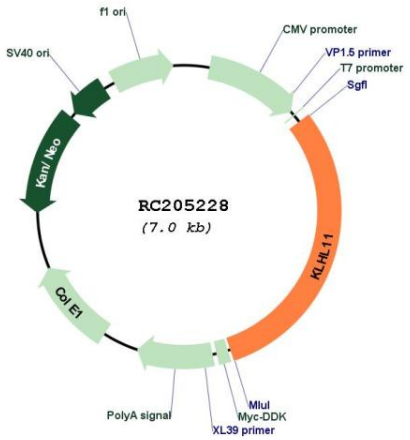
ORF Size: 2124 bp

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

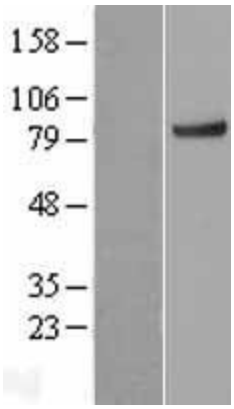
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018143.3
RefSeq Size:	2326 bp
RefSeq ORF:	2127 bp
Locus ID:	55175
UniProt ID:	Q9NVR0
Cytogenetics:	17q21.2
Domains:	BTB, Kelch
Protein Families:	Secreted Protein
MW:	80.1 kDa
Gene Summary:	Component of a cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex that mediates the ubiquitination of target proteins, leading most often to their proteasomal degradation.[UniProtKB/Swiss-Prot Function]

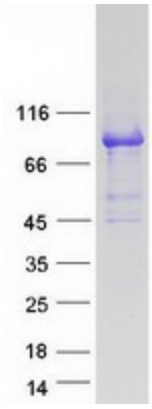
Product images:



Circular map for RC205228



Western blot validation of overexpression lysate (Cat# [LY413273]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205228 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified KLHL11 protein (Cat# [TP305228]). The protein was produced from HEK293T cells transfected with KLHL11 cDNA clone (Cat# RC205228) using MegaTran 2.0 (Cat# [TT210002]).