

Product datasheet for RC229620

KLHL7 (NM_001172428) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KLHL7 (NM_001172428) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: KLHL7
Synonyms: CISS3; KLHL6; PERCHING; SBB126
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC229620 representing NM_001172428
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCTCTGGGTGGAGAAGAGCAGCAAGAAGAAGACCGAGAAGAACTTGTCTCGGGAAGAAG
CTAAATTGTTGGCGGTTTCATGGCGTCATGAATAACATGCGGAAACAGAAAACGTTGTGTGACGTGAT
CCTCATGGTCCAGGAAAGAAAGATACCTGCTCATCGTGTGTTCTTGCTGCAGCCAGTCATTTTTTAAC
TTAATGTTCACTAACAATGCTTGAATCAAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATA
TTATTGAACAACCTGGTGAATTTGCTTATACTGCTAGAATTTCCGTGAATAGCAACAATGTCAGCTTT
GCTGGATGCAGCAAACCAATATCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTTGAAGAACA
GTTGATGCTTCAAATTGTCTTGGAGAAGCAGAAAAAGTTGATCAGAGCCTCCAGAGTGTGGTATGCTTT
TCACTGTG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229620 representing NM_001172428
Red=Cloning site Green=Tags(s)

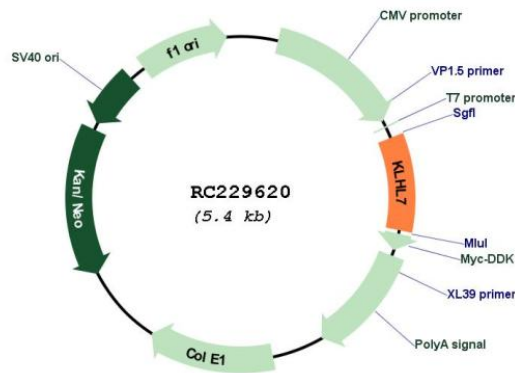
MAASGVEKSSKKKTEKLAAREEAKLLAGFMGMNMRKQKTLCDVILMVQERKIPAHRVVLAASHFFN
LMFTTNMLESKSFEVELKDAEPDIEQLVEFAYTARISVNSNNVQSLLDAAANQYQIEPVKKMCDVFLKEQ
VDASNCLGEAEKVDQSLPECGMLFTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001172428

ORF Size: 498 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:	<u>NM_001172428.1</u> , <u>NP_001165899.1</u>
RefSeq ORF:	501 bp
Locus ID:	55975
UniProt ID:	<u>Q8IXQ5</u>
Cytogenetics:	7p15.3
MW:	19 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]