

## Product datasheet for **RG229620**

### KLHL7 (NM\_001172428) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KLHL7 (NM\_001172428) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** KLHL7  
**Synonyms:** CISS3; KLHL6; PERCHING; SBB126  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229620 representing NM\_001172428  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGCCTCTGGGTGGAGAAGAGCAGCAAGAAGAAGACCGAGAAGAACTTGCTGCTCGGGAAGAAG  
 CTAATTGTTGGCGGTTTCATGGCGTCATGAATAACATGCGGAAACAGAAAACGTTGTGTGACGTGAT  
 CCTCATGGTCCAGGAAAGAAAGATACCTGCTCATCGTGTGTTCTTGCTGCAGCCAGTCATTTTTTAAC  
 TTAATGTTCAACTAACATGCTTGAATCAAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATA  
 TTATTGAACAACGGTGAATTTGCTTATACTGCTAGAATTTCCGTGAATAGCAACAATGTCAGTCTTT  
 GCTGGATGCAGCAAACCAATATCAGATTGAACCTGGAAGAAAATGTGTGTTGATTTTTTGAAGAACAA  
 GTTGATGCTTCAAATTGCTTGGAGAAGCAGAAAAGTTGATCAGAGCCTTCCAGAGTGTGGTATGCTTT  
 TCACTGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

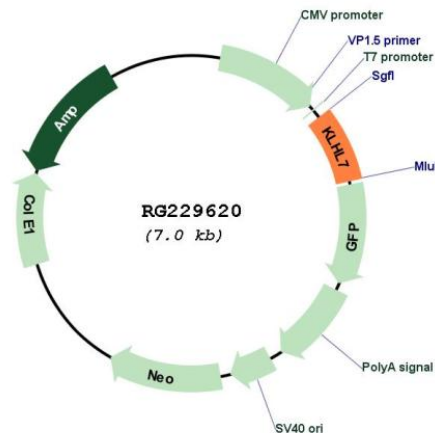
**Protein Sequence:** >RG229620 representing NM\_001172428  
 Red=Cloning site Green=Tags(s)  
 MAASGVEKSSKKKTEKKLAAREEAKLLAGFMGMNMRKQKTLCDVILMVQERKIPAHRVVLAASHFFN  
 LMFTTNMLESKSFEVELKDAEPDIEQLVEFAYTARISVNSNNVQSLLDAAANQYQIEPVKMKCVDFLKEQ  
 VDASNCLGAEKVDQSLPECGMLFTV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001172428.1, NP_001165899.1</u>
<b>RefSeq Size:</b>	1032 bp
<b>RefSeq ORF:</b>	501 bp
<b>Locus ID:</b>	55975
<b>UniProt ID:</b>	<u>Q8IXQ5</u>
<b>Cytogenetics:</b>	7p15.3
<b>Gene Summary:</b>	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]