

Product datasheet for **RG230348**

KLHL13 (NM_001168303) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL13 (NM_001168303) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHL13
Synonyms:	BKLHD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

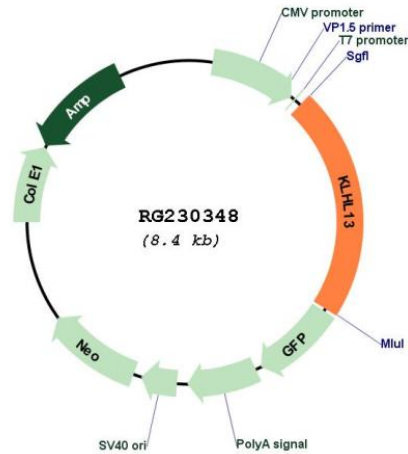
>RG230348 representing NM_001168303
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATTGAAATGGAAAACGAGCTCTCCTGCTATCTGGAAATCCCAGTTCCTGTGCTTAAACATCCA
 GGCAACTCCACTTTCTCCAGCATACATATCTCTCGTGGAAAGAGGAAGACCAACACATGAAATTGCCCT
 TGGAGGCAGCGAAATGGGCCTCTCATCCATTTGCAAGTTCCTCAAGGCAGGACCTACACGCATCTTACC
 AGCAATACCCACAGTTCTGTGGTGTACAGGGCTTTGACCAGCTTCGACTTGAAGGATTGCTTTGTGATG
 TGACCCTGATGCCAGGTGACACAGATGATGCTTTCCCTGTGCATAGAGTCATGATGGCATCTGCTAGTGA
 TTACTTCAAGGCTATGTTACAGGTGGAATGAAAGAACAAGATTTAATGTGCATTAACCTTCATGGTGTG
 AGCAAAGTCGGTCTAAGGAAAATTATTGATTTCACTTATACTGCAAAGCTTTCTCTTAATATGGACAACC
 TTCAAGACACGCTGGAAGCTGCCAGTTTCTACAGATTCTGCCAGTTTTGGACTTCTGTAAGTGTCTTCT
 CATATCTGGGGTCACTTTAGACAAGTGTGTTGAAGTTGGACGGATTGCCAACACCTACAATCTAACCGAA
 GTGGATAAATACGTTAACAGTTTCGTCCTGAAGAAATTTCTGCAATGCTGAGCAGAGGGGAGTTCTTGA
 AACTCCCTTTTGGAGCTTTCCTTTCGTCCTTCCAGTAATAGCCTTAAGCACTGTACTGAACTTGAGCT
 CTTAAGGCTACCTGTCGTTGGCTTCGCCTGGAAGAGCCTCGGATGGACTTTGCTGCAAAATTAATGAAG
 AACATACGATTTCCACTGATGACACCACAGGAGCTCATTAATTACGTGCAAACGGTGGATTTTCATGAGAA
 CTGACAATACTTGTGTAATTTGCTTTTGGAAAGCCAGCAATTACCAATGATGCCATATATGCAGCCAGT
 TATGCAGTCAGACAGGACTGCCATTAGGCTGACACCCTCACTTGGTTACACTAGGAGGAGTGTGAGG
 CAGCAGCTGGTTGTCAGTAAGGAATTGCGCATGTATGATGAAAAGGCCCATGAGTGGAAATCGTTAGCCC
 CCATGGATGCCCAAGTACCAGCATGGCATCGCCGTCATTGGAATTTCTCTATGTGTTGGCGGACA
 GAGTAATTATGATACAAAAGGAAAAACGGCAGTTGATACAGTCTTCAGATTTGATCCTCGATACAATAAA
 TGGATGCAAGTTGCATCTTTAAATGAAAAGCGCACCTTCTCCACCTAAGTGCCCTCAAAGGATATCTGT
 ATGCAGTTGGTGGCGAAATGCAGCAGTGAAGTCCACAGTAGAATGTTACAATCCAAGAACAATGA
 ATGGACCTATGTTGCCAAATGAGTGAAGCCACTATGGCCATGCTGGAAGTGTGATGGAGGAGTGTG
 TATATTTAGGAGGAATTACTCATGATACTTTCCAAAAGGAGCTCATGTGCTTTGACCCTGATACTGACA
 AATGGATCCAGAAGGCGCAATGACCACTGTGAGAGTCTGCATTGCATGTGTACAGTGGGAGAAAGGCT
 CTATGTCATTGGTGGCAATCACTTCAGAGGAACAAGTATTATGATGATGTCCTAAGCTGTGAATACTAT
 TCACCTATCCTTGACCAGTGGACCCCAATTGCTGCCATGTTAAGAGGGCAGAGTGTGTTGGGGTCTGCTG
 TCTTCGAAAATAAATCTATGTGTTGGGGGTATTCTTGAATAATCGTTGTATGGTAGAGATAGTGCA
 GAAATATGATCCAGATAAAGATGAATGGCATAAGGTTTTGATCTGCCAGAATCCCTTGGTGGCATTTCGT
 GCTTGCACTCACAGTTTTCCACCAGAAGAAACCACACCATCACCTTCTAGAGAGTCCCTCTTTCTG
 CACCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Plasmid Map:



ACCN: NM_001168303

ORF Size: 1968 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.

RefSeq: [NM_001168303.1](#), [NP_001161775.1](#)

RefSeq Size: 3341 bp

RefSeq ORF: 1815 bp

Locus ID: 90293

UniProt ID: [Q9P2N7](#)

Cytogenetics: Xq24

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: This gene encodes a BTB and kelch domain containing protein and belongs to the kelch repeat domain containing superfamily of proteins. The encoded protein functions as an adaptor protein that complexes with Cullin 3 and other proteins to form the Cullin 3-based E3 ubiquitin-protein ligase complex. This complex is necessary for proper chromosome segregation and completion of cytokinesis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]