

Product datasheet for **RG215869**

KLHL30 (NM_198582) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KLHL30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG215869 representing NM_198582
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGGATGGCCTGCAGCGCCTGCGCTCTCAGCCCAAGCTGGCCGACGTCACACTGCTGGTGGGCGGCC
 GGGAGCTGCCATGCCACCGCGGCTCCTGGCGCTCAGCAGCCCTACTTCCATGCCATGTTTGGCGGTGA
 CTTGCGCGAGAGCTTCTCTGCGCGCTGGAGCTGCGGGACGTGGAGCCCGCTGGTGGGACAACCTGGT
 GACTTCGTGTACACAGGCCGCTGACCATCACGCAGGGCAACGTGGAGGCGCTGACACGCACGGCTGCGC
 GCCTGCACTTCCCTCGGTGCAGAAGGTCTGCGGCCGTACCTGCAGCAGCAACTGGATGCCGCCAACTG
 CCTGGGCATCTGTGAGTTCGGGGAGCAGCAAGGGCTGCTGGGCGTGGCTGCCAAGGCCTGGGCCTTCTG
 CGAGAGAACTTTGAGGCTGTGGCAGCTGAGGACGAGTTCCTGCAGCTTCCCGAGAGCGGCTGGTCACTT
 GTCTGGCCGGCGACCTGCTGCAGGTACAGCCGGAGCAAAGCCGACTCGAGGCCCTGATGCGCTGGTGCG
 CCATGACCCGAGGCCCGGCCGCCACCTGCCGAGCTGCTCAGCCTAGTGACCTGGACGCCGTGCC
 AGGCCCTGCGTGACGAACTGCTGGCCTCAGAGCCCTGATCCAGGAGTCAGAGGCATGCCGGGACGCC
 TGTCCAGGGCCATGATGGGGCACCCTCGCCCTCCAGCAGAAGCTGGAGGAGGTCTGGTGGTGGTGGG
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 AACAGCAAGGCCAAGAGGTGGATGGCACTTCCAGACTTCCCGACTATCACAAGTGGGGTTTCTCCCTGG
 CGGCCCTGAACAACAACATCTATGTACAGGTGGCTCTCGGGGCACAAAGACAGACACCTGGTCAACCAC
 CCAGGCCTGGTGTCTCCCTGAAGGAGGCTCCTGGAAGCCCGTGGCGCCATGCTGAAGCCCCGACCC
 AACCACGCCAGCGGCCCTCAATGGGAGATCTACGTTATCGGCGGCACCCCTGGACGTGGTGGAGG
 TGGAGAGCTATGACCCCTACACGACAGCTGGACGCCGTGAGCCGCCCTCAAATACGTACGCAACTT
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 GTGCCACTGGGTGATGCGCTGTACGTGACGGGCGGCCGTGGCAGGGCATGGAAGGTGACTACCACGTGG
 AGATGGAGGCTACGACACGGTTTCGGGACACCTGGACCCGCCACGGCGCCTGCCCGGCTCTGGCTCTA
 CCACGGGGCTCCACCGTCTTCTGGATGTCTCAAGTGGACCCAGCCCTCCGGCCCCACCCAGGAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

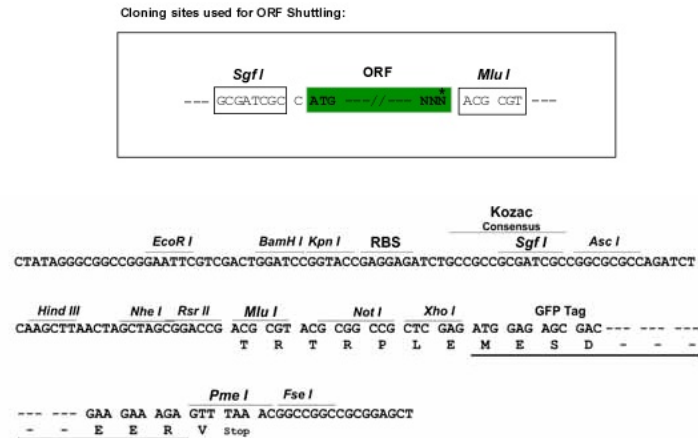
Protein Sequence: >RG215869 representing NM_198582
 Red=Cloning site Green=Tags(s)

MLDGLQRLRSQPKLADVTLVGGRELPCHRGLLALSSPYFHAMFAGDFAESFSARVELRDVEPAVVGQLV
 DFVYTGRLLITQGNVEALTRTAARLHFPSVQKVCGRYLQQQLDAANCLGICEFGEQQGLLGVAAKAWAFL
 RENFEAVAREDEFLLPRERLVTCLAGDLLQVQPEQSRLALMRWVRHDPQARAHLPELLSLVHLDVAP
 RCPVQQLLASEPLIQESEAACRAALSQGHGAPLALQKLEEVLVVVGQALAAAAEAGEEPTPLGNFAFY
 NSKAKRWMALPDFDYHKWGFSLAALNNNIYVTGSRGKTDTWSTTQAWCFPLKEASWKPVAPMLKPRT
 NHASALNGEIYVIGGTTLDVVEVESYDPYTDWTPVSPALKYVSNFSAAGCRGRLYLVGSSACKYNALA
 LQCYNPVTDASVIAFPFLPKYLSSPRCAALHGELYLIGDNTKKVYVYDPGANLWQKVQSQHSLHENGAL
 VPLGDALYVTGGRWQMEGDYHVEAMEYDTRDTRHGALEPRLWLYHGASTVFLDVSKWTQPSGPTQEH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198582

ORF Size: 1680 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.

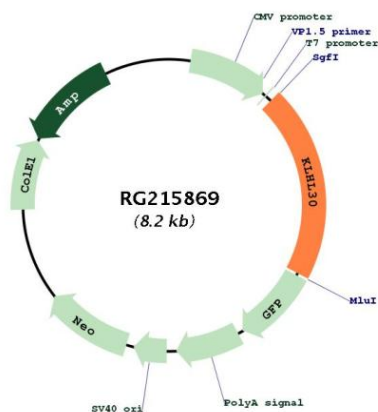
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_198582.2](#), [NP_940984.2](#)

RefSeq Size: 3557 bp

RefSeq ORF: 1737 bp
 Locus ID: 377007
 UniProt ID: [Q0D2K2](#)
 Cytogenetics: 2q37.3

Product images:



Circular map for RG215869