

Product datasheet for **RG212621**

KLHL14 (NM_020805) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL14 (NM_020805) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHL14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG212621 representing NM_020805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCCAGATCCGGGGACAGGACCTCCACCTTCGACCCAGCCACAGCGACAACCTGCTGCACGGCCTCA
 ACCTGCTGTGGAGGAAGCAGCTGTTTTGCGACGTGACCTGACGGCCAGGGCCAGCAGTTCCATTGCCA
 CAAGGCCGTGCTGGCCTCCTGCTCGCAGTACTCCGATCGCTCTTCTCCAGCCACCCCCCTCTCGGGGA
 GGGGTGCGCGGCCAGGACGGCTGGGGGCCCCAAGGACCAGCAGCAGCCGCCGAGCAGCAGCCGTAC
 AGCAGCAGCAGCCGCCGCCGAGGAGGCCGGGACTCCTTCTTCTCCCCGACGACAAGCTGCTGAC
 CAGCCCCGGGCCATCAACAACCTGGTGTGCAGGGCTGCTGTCCATCGGGCTGCGCCTGGTGTCTGAG
 TACCTCTACACGCCAACGTGACCTGTCCCTGGACACGGTGGAGGAGGTGCTGTCGGTCAGCAAGATCC
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 GCAGGTGTGAAGATCGCCGCGTGCACGGCTGGAGGAGACCAAGAAGCTGGCCAACAAGTACCTGGT
 GAGGATGTGCTGCTCAACTTCGAGGAGATGCGCGCCCTGCTGGACTCGCTGCCGCCCCCGTGGAGT
 CGGAGCTGGCGCTCTTCCAGATGTCCGTGCTGTGGCTGGAGCACGACCGCGAGACCCGCATGCAGTATGC
 GCCTGACCTCATGAAGCGCTCCGCTTCGCCCTCATCCCGCCCCGGAGCTGGTGGAGCGGGTCCAGTCA
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 CTGTAATGAATGATCGTTGTATGCAATTGGAGGAAATCATTTGAAAGGTTTCTCCACCTTGATGTAAT
 GCTTGTGAATGCTATGACCCAAAAGGTGACCACTGGAATATACTCCAACTCCATTTTGGAGGGTCGA
 AGTGGCCCTGGCTGTGCACTGCTTGTGACAGCATTTACCTTGTGGGAGGCTACAGCTGGAGTATGGGG
 CCTACAAGTCATCTACAATATGCTATTGTCCAGAGAAAGGAACCTGGACAGAACTCGAAGGAGATGTAGC
 AGAACCGTTGGCAGGCCCTGCCTGTGTGACAGTTATTCTGCCCTCTTGTGTACCATAACAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

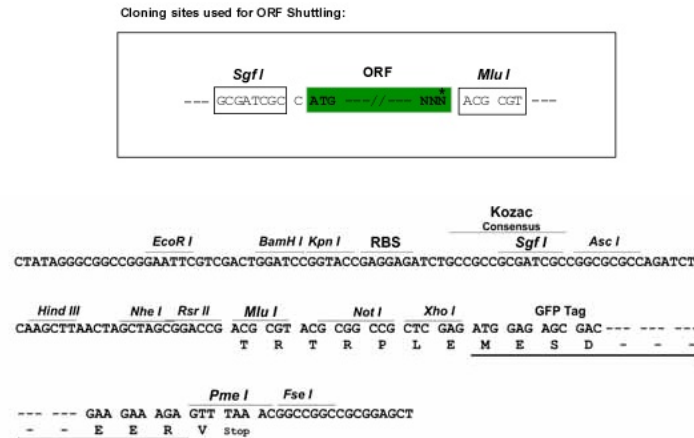
>RG212621 representing NM_020805
 Red=Cloning site Green=Tags(s)

MSRSGDRTSTFDPSHSDNLLHGLNLLWRKQLFCDVTLTAQGQQFHCHKAVLASCSQYFRSLFSSHPPLGG
 GVGGQDGLGAPKDQQPPQQPSQQQPPQEEPTSPSSPDDKLLTSPRAINNLVLQGCSSIGRLVLVE
 YLYTANVTLSLDVEEVLVSILHLPQVTKLCVQFLNDQISVQNYKQVCKIAALHGLEETKKLANKYLV
 EDVLLLNFEEMRALLDSLPPVESELALFQMSVLWLEHDRETRMQYAPDLMKRLRFALIPAPELVERVQS
 VDFMRDTPVCQKLLLDAMNYHLMFPRQHCRQSLASRIRSNKKMLLLVGGLPFGPDRLPSNLVQYYDEKK
 TWKILTIMPYNASHHCVEVENFLFVLGGEDQWNPNGKHSTNFVSRYDPRFNSWIQLPPMQERRASFYAC
 RLDKHLVYIGGRNETGYLSSVECYNLETNEWRYVSSLPQPLAAHAGAVHNGKIYISGGVHNGEYVPWLYC
 YDPVMDVWARKQDMNTKRAIHTLAVMNDRLYAIGGNHLKGFSHLDVMLVECYDPKGDQWNILQTPILEGR
 SGPGCAVLDDSIYLVGGYSWSMGAYKSSSTICYCPEKGTWTELEGDVAEPLAGPACVTVILPSCVPYNK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_020805

ORF Size: 1884 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_020805.3](#)

RefSeq Size: 4261 bp

RefSeq ORF: 1887 bp

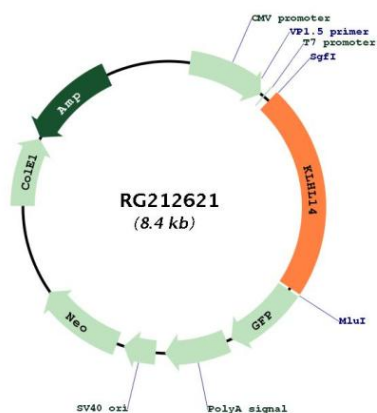
Locus ID: 57565

UniProt ID: [Q9P2G3](#)

Cytogenetics: 18q12.1

Gene Summary:

The protein encoded by this gene is a member of the Kelch-like gene family, whose members contain a BTB/POZ domain, a BACK domain, and several Kelch domains. The encoded protein possesses six Kelch domains and localizes to the endoplasmic reticulum, where it interacts with torsin-1A. [provided by RefSeq, Sep 2015]

Product images:


Circular map for RG212621