

Product datasheet for **RG212782**

KLHL17 (NM_198317) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL17 (NM_198317) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHL17
Synonyms:	AF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG212782 representing NM_198317
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCCCCGACGAGCGCCCCGGCCGCGCAGGACGACAGCCCCGAGCACGGCAGCCCCGGGGCCCCGGC
 CCGAGGGCCCGCCGCTCCACCGCCGACGCCCGGCCCGGAGGCAGAGCGCACGGGCCCGGCAGGC
 TCGGCCCGCAGCCCCATGGAGGAGCCGTGCAGCTGCTGAGCCGCGAGGGCCACAGCGTGGCCACAAC
 TCCAAGCGGCACTACCACGATGCCTTCGTGGCCATGAGCCGATGCGCCAGCGCGGCTCCTGTGCGACA
 TCGTCTGACAGTGGTGCCAAGGAGATCCGTGCGCACAAAGTGGTGTGGCTCCTGCAGCCCCTACTT
 CCACGCCATGTTCAAAATGAGATGAGCGAGAGCCGCCAGACCCACGTGACGCTGCACGACATCGACCT
 CAGGCCTTGGACAGCTGGTGCAGTTTGCCTACACGGCTGAGATTGTGGTGGCGAGGGCAATGTGCAGA
 CTCTGCTCCAGCCGCCAGTCTCCTGCAGCTGAATGGCGTCCGAGACGCTTGCTGCAAGTTTCTACTGAG
 TCAGCTCGACCCCTCAACTGCCTGGGTATCCGGGGCTTTGCCGATGCGCACTCCTGCAGCGACCTGCTC
 AAGGCCGCCACAGGTACGTGCTGCAGCACTTCGTGGACGTGGCCAAGACCGAGGAGTTTATGCTGCTGC
 CCCTGAAACAGGTTCTGGAAGTGGTCTCTAGCGACAGCCTGAACGTGCCTTCAGAGGAGGAGGTCTACCG
 AGCCGTCTGAGCTGGGTGAAACACGACGTGGACGCCCGCAGGCAGCATGTCCCACGGCTCATGAAGTGT
 GTGCGGCTGCCCTTGTGAGCCGCGACTTCCTGCTGGGCCACGTGGATGCCGAGAGCCTGGTGAGGCACC
 ACCCTGACTGCAAGGACCTCCTCATCGAGGCCCTGAAGTTCACCTGCTGCCTGAGCAGAGGGGCGTCTCT
 AGGCACGACCGCACACGTCCCCGGCGCTGCGAGGGGGCCGGGCTGTGCTTTTTGCTGTGGGCGGCGGG
 AGCCTGTTTGGCATCCACGAGACTGTGAGGCCACGACACGCGCACCGACCGCTGGCACGTGGTGGCTC
 CCATGTCCACGCGCCGGGCCGGGTGGGAGTGGTGGGTGGGGAACCGGCTCTATGCTGTGGGCGGCTA
 TGATGGGACCTCAGACCTGGCTACCGTGGAGTCCACGACCCCGTGAATAACACGTGGCAGCCGGAGGTG
 TCCATGGGCACAAGCGAAGCTGCCTGGGTGTGGCCGCTTGCATGGACTCCTGTACTCGCCGCGGCGCT
 ATGACGGGGCCTCCTGCCTGAACAGTGTGAACGCTACGACCCCTGACCGGAACGTGGACGTCCGTCGC
 TGCCATGAGCACCCGAGGCGCTATGTGCGAGTGGCCACGCTTGATGGGAACCTGTATGCTGTGGGCGGC
 TACGACAGCTCCTCACACCTGGCACTGTGAGAGAATGAGCCCCAGGTGAACGTGTGGTGCCTGCGG
 CGTCCATGCTGAGCCGACGAGCTCAGCGGGCGTGGCCGTGCTGGAGGGTGCCTGTACGTGGCAGGGG
 CAACGACGGCACCAGCTGCCTCAACTCGGTAGAGAGATACAGTCAAAGGCTGGAGCCTGGGAAAGCGTG
 GCGCCCATGAATATCCGAGGAGCACGATGACCTGGTGGCCATGGACGATGGTTGTACGCGGTGGGG
 GTAACGACGGTAGCTCCAGCCTCAACTCCATCGAGAAGTACAACCGAGGACCAACAAGTGGGTGGCCGC
 ATCCTGCATGTTACCCGGCGCAGCAGTGTGGGTGTGGCGGTGCTGGAGCTGCTCAATTTCCCGCCGCCA
 TCCTCCCCGACGCTGTCCGTGTCTCCACGACCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

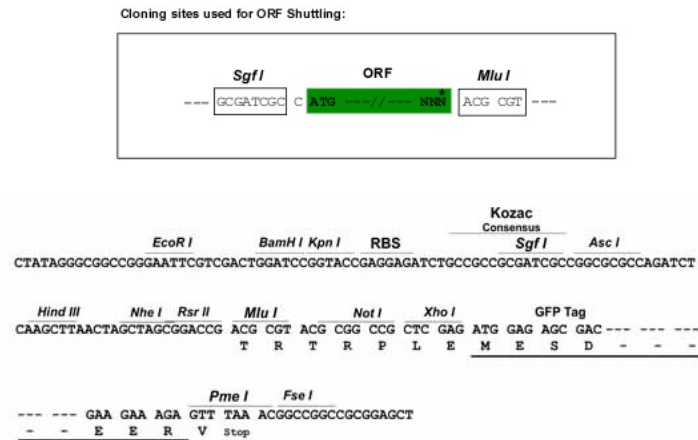
>RG212782 representing NM_198317
 Red=Cloning site Green=Tags(s)

MQPRSERPAGRTQSPHEGSPGPGPEAPPPPPQPPAPEAERTPRRQARPAAPMEGAVQLLSREGHVAHN
 SKRHYHDAFVAMSRMRQRLLCDIVLHVAAKEIRAHKVVLASCSFYHAMFTNEMSESRQTHVTLHDIDP
 QALDQLVQFAYTAEIVVGEENVQTLPAASLLQLNGVRDACCKFLLSQLDPSNCLGIRGFADAHSCDLL
 KAAHRYVLQHFVDVAKTEEFMLPLKQVLELVSSDSLNPSEEEVYRAVLSWVKHVDVARRQHVPRLMKC
 VRLPLL SRDFLLGHVDAESLVRHHPDCKDLLIEALKFHLLPEQRGVLGTSRTRPRRCEGAGPVLFAVGGG
 SLFAIHGDCEAYDTRTRDWHVVASMSTRRARVGVAAVGNRLYAVGGYDGTSDLATVESYDPVTNTWQPEV
 SMGTRRSCLGVAALHGLLYSAGGYDGASCLNSAERYDPLTGTWTSVAAMSTRRRYVRATLDGNLYAVGG
 YDSSSHLATVEKYEPQVNVWSPVASMLSRSSAGVAVLEGALYVAGNDGTSCLNSVERYSPKAGAWESV
 APMNIRRSTHDLVAMDGWLYAVGGNDGSSSLNSIEKYNPRTNKWAASCMFTRSSVGVAVLELLNFPP
 SSPTLSVSSTSL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198317

ORF Size: 1926 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_198317.3](#)

RefSeq Size: 2560 bp

RefSeq ORF: 1929 bp

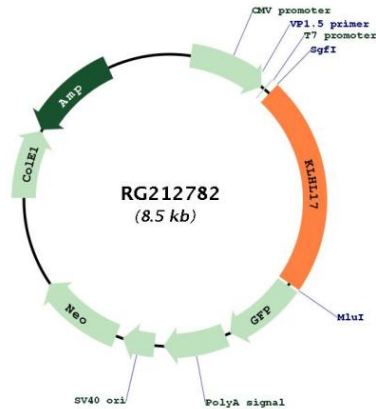
Locus ID: 339451

UniProt ID: [Q6TDP4](#)

Cytogenetics: 1p36.33

Gene Summary: The protein encoded by this gene is expressed in neurons of most regions of the brain. It contains an N-terminal BTB domain, which mediates dimerization of the protein, and a C-terminal Kelch domain, which mediates binding to F-actin. This protein may play a key role in the regulation of actin-based neuronal function. [provided by RefSeq, Aug 2010]

Product images:



Circular map for RG212782