

Product datasheet for **RG215556**

KLHL5 (NM_001007075) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL5 (NM_001007075) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG215556 representing NM_001007075
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGGTTCTCGTAAAGAGTTTGATGTGAAACAGATTTTGAAAATCAGATGGAGGTGGTTTGGTCATC
 AAGCATCATCTCCTAATTCTACAGTTGACAGCCAGCAGGAGAATTTTGAACCGAGGACAGACTGGAGC
 AACGGTGGGAGAAAGTTTTAGATCCATGTAGCCTACAATTGCCTTTGGCTTCAATTGGTTACCGAAGG
 TCCAGCCAACCTGGATTTTCAGAATTCACCTTCTTGGCCAATGGCATCCACCTCTGAAGTCCCTGCATTTG
 AGTTTACAGCAGAAGATTGTGGCGGTGCACATTGGCTGGATAGACCAGAAGTGGATGATGGCACTAGTGA
 AGAAGAAAATGAATCTGATTCCAGTTCATGCAGGACTTCCAATAGTAGTCAGACATTATCATCTGTCTAT
 ACTATGGAGCCATGTACATCAGATGAATTTTCCAAGCCCTTAATCATGCCGAGCAAACATTTAAAAAA
 TGGAAAATCTTTGAGACATAAACAGTTGTGTGATGAATTTTAGTCGCTGGTATCGCAGAAATCCAGC
 TCACAGATTGGTCTCTCTCTGTCTCAGACTATTTTGTGCCATGTTTACTAATGATGTCAGAGAGGCA
 AGACAAGAAGAAATAAAATGGAAGGTGTAGAACCAAAATTCGTTGTGGTCTTGTATCCAGATGCTTATA
 CAGGCCCGCTTGAATTAAGAAGATAATATTGAGTGCCTGTTATCTACAGCTTGCCTTCTTCAGCTTTC
 ACAGGTTGTAGAAGCATGCTGTAAGTTTTTAATGAAACAGCTTCCATCCAACTGTCTTGAATTCGT
 TCTTTTGTGTATGCCAAGGTTGTACAGATTGTCATAAAGTGGCTCACAATTATACTATGGAGCATTTCA
 TGGAAAGTAATCAGAAACAGGAATTTGTATTATTACCAGCCAGCGAAATTGCAAAGCTCTTGGCTAGTGA
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 CAGAGACGGAAGATCTAAGTAACTTTTGGCTTATATTAGGCTACCTCTTCTTGCACCAGATTCCTGG
 CAGACATGGAAAATAATGTACTTTTTCGGGATGATATAGAATGTCAGAACTCATTATGGAAGCAATGAA
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 GGTACATTATTTGCAGTTGGGGGAATGGATTCAACAAAAGGAGCAACAAGCATTGAAAAGTATGATCTCC
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 TGACAACTGTATGTGTTGGAGGAAGAGATGGACTGAAGACTTTGAATACTGTAGAGTGTACAACCCC
 AAAACAAAACCTTGGAGTGTGATGCCACCTATGTCCACACATAGACATGGCCTTGGTGTGGCTGTACTGG
 AAGGTCCCATGTATGCCGTAGGAGGACATGATGGCTGGAGCTATCTGAACACAGTGGAAAGATGGGACCC
 TCAGGCTCGCCAGTGAATTTTGTGCCACTATGTCTACCCCTAGGAGTACAGTAGGTGTGGCAGTACTA
 AGTGGAAAACCTTATGCAGTTGGTGGTCTGTGATGGAAGTTCTTGTCTCAAATCAGTAGAATGTTTTGATC
 CTCATACTAATAAGTGGACACTGTGTGCACAGATGTCAAAAAGGAGAGGTGGCGTAGGAGTGACGACCTG
 GAATGGACTGCTGTATGTATAGGGGGGCAGATGCTCCCGCATCCAACCTTGACTTCCAGACTCTCAGAC
 TGTGTGGAAAGATATGATCCCAAACAGACATGTGGACTGCAGTAGCATCCATGAGCATCAGCAGAGATG
 CAGTGGGGGTCTGTTTACTTGGTGATAAGTTATATGCTGTTGGGGGTATGATGGACAGGCATACCTTAA
 TACTGTGGAGGCTTATGATCCCCAGACAAATGAGTGGACCCAGGTTGCTCCACTGTGCCTAGGAAGAGCT
 GGAGCTTGTGTTGTGACTGTAAATTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG215556 representing NM_001007075
 Red=Cloning site Green=Tags(s)

MSGSRKEFDVKILKIRWRWFGHQASSPNSTVDSQQGEFWRNGQTGANGGRKFLDPCSLQLPLASIGYRR
 SSQLDQNSPSWPMASSTSEVPAFEFTAEDCGGAHWLDRPEVDDGTSEEENESDSSSCRTSNSSQTLSSCH
 TMEPCTSDFFQALNHAETFKKMEYLRHKQLCDVILVAGDRRIPAHRLVLSVSDYFAAMFTNDVREA
 RQEEIKMEGVENSLWSLIQYAYTGRLELKEDNIECLLSTACLLQLSQVVEACCKFLMKQLHPSNCLGIR
 SFADAQGCCTDLHKVAHNYTMEHFMEVIRNQEFVLLPASEIAKLLASDDMNIPNEETILNALLTWVRHDL
 QRRKDLKLLAYIRLPLAPQFLADMENNVLFRRDIECQKLIMEAMKYHLLPERRPMLQSPRTKPRKSTV
 GTLFAVGMDSTKGATSEIKYDLRTNMWTPVANMNGRRLQFVAVLDDKLYVVGGRDGLKTLNTEVCYNP
 KTKTWSVMPPMSTHRHGLGVAVLEGPMYAVGGHDGWSYLNTERWDPQARQWNFVATMSTPRSTVGAVL
 SGKLYAVGGRDGSCLKSVECFDPTNKWTLCAQMSKRRGGVGTWNGLLYAIGGHDAPASNLTSRLSD
 CVERYDPKTDMTAVASMSISRDAVGVCLLDKLYAVGGYDQAYLNTVEAYDPQTNEWTQVAPLCLGRA
 GACVVTVKL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007075

ORF Size: 2127 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_001007075.2](#), [NP_001007076.1](#)

RefSeq Size: 7666 bp

RefSeq ORF: 2130 bp

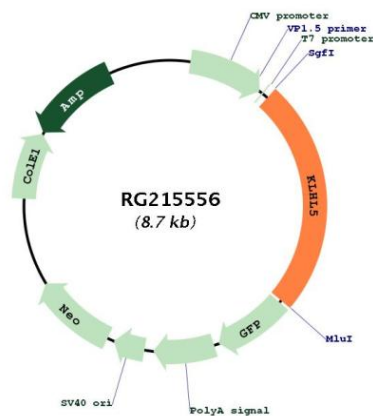
Locus ID: 51088

UniProt ID: [Q96PQ7](#)

Cytogenetics: 4p14

Protein Families: Transmembrane

Product images:



Circular map for RG215556