

Product datasheet for **RG213520**

KLHL15 (NM_030624) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL15 (NM_030624) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHL15
Synonyms:	HEL-S-305
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213520 representing NM_030624
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGGGGACGTGGAAGGATTCTGTCTCCATCCACGACACCAGTGTCTCTGCTGGTTTCAGAGCAC
 TGTATGAGGAGGATTGCTTCTTGATGTCACTCTGGTTATTGAAGATCATCAGTTCCAGGCCATAAAGC
 ACTCTTGCCACCCAGAGTGATTACTTCAAGATTATGTTTACTGCAGACATGAGGGAACGAGATCAGGAC
 AAAATTCAATTTAAAGGTCTAACAGCTACCGGTTTCAGCCATGCTCCTGCAATTTATGACTATGAACTA
 TAGAGCTGAGTATGAATACCGTTCATGAGATTCTTCAGGCTGCCATGTATGTTCAACTTATAGAAGTGGT
 GAAGTTCTGCTGCTCTTTCTCTAGCGAAGATCTGCCTAGAAAATTGTGCAGAAATTATGAGACTCTTA
 GATGATTTCCGGCTAAACATCGAGGGAGTCAGGGAGAAGTTAGACACCTTCTGCTAGACAACTTTGTGC
 CACTCATGTCTAGGCCTGACTTTCTGTCCTATCTGAGCTTTGAGAAGCTCATGTCTTACTTGATAATGA
 TCATCTGAGCAGGTTCCAGAGATAGAGCTGTACGAGGCTGTGCAGTCTTGGCTGCGGCATGATAGAAGA
 CGCTGGAGACATACCGATACCATCATTCAAGAAATCCCGTTTTGCTTGTGACCCCAACAGCGTTTTTG
 AGAAGGTTAAGACATCAGAATTTATAGATACTCCCGACAGCTCCGTTACGAAGTTGACCAAGCATTGAA
 TTAATTTTCAAGATGTTCCACGACGCTTTGTTGGATAGAAGTCAAGCCGCATCCGTTCTGCAAAAACCG
 CAAACTACAGTATTTTCGAGGAATGATTGGACATAGCATGGTTAACAGTGAATACTTCTCTTAAAGAAAC
 CAAGAGTCTGGTGGGAGCTAGAAGGCCACAAGTACCTCTGCGACCTGACTGCCTTGCTATCGTCAATAA
 TTTTGTCTCTGTTAGGCGGGGAGAGCTGGGCCGGATGGTGAATCCATGCTTCTTCCAAAGTATTC
 AGGTATGACCCGAGACAGAACTCTGGCTGCAGATGGCAGATATGTCTGTACCACGCTCGAATTTGCTG
 TAGGTGTTATTGGGAAGTTTATTTACGCCGTAGCAGGCAGAACCCAGAGATGAGACTTTCTATTCAACTGA
 GAGATATGACATCAACAACGATAAATGGGAATTTGTGGATCCTTATCCAGTTAACAATAATGGACATGAG
 GGGACAGTGCTCAATAACAATTTGTTTATCACCGTGGAATCACCTCATCTTCCACCTCCAAGCAAGTGT
 GCGTGTGTTGACCCAGCAAGAAGGGACCATAGAACAACGGACCAGGAGAACTCAAGTGGTTACCAACTG
 TTGGGAGAATAAGAGCAAGATGAATTACGCGAGATGCTTTCACAAGATGATTTCTTACAATGGCAAGCTT
 TATGTCTTCGGTGGTGTCTGTGTGATCTTGAGGCCTCTTTCGAATCTCAGGGATGCCCTTCTACAGAAG
 TATAACAACCCAGAGACTGATCAGTGGACCATCTGGCATCCATGCCGATTGGTAGAAGTGGCCATGGTGT
 GACTGTGCTGGACAAACAATAATGTTCTTGGAGGCCTTTGTTATAATGGTCATTACAGCGATTCCATC
 CTCACCTTTGATCCGGATGAAAACAAGTGAAGGAAGATGAGTACCCTCGGATGCCCTGCAAGCTGGATG
 GTTACAAGTATGCAACCTGCATTTTCCGACTATGACTGGATGAGGTCAGGCGTTGCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213520 representing NM_030624
 Red=Cloning site Green=Tags(s)

MAGDVEGFCSSIHDTSVSAGFRALYEEGLLLDVTLVIEDHQFQAHKALLATQSDYFRIMFTADMRRERDQD
 KIHKLKGLTATGFSHVLQFMYYGTEIELSMNTVHEILQAAMYVQLIEVVKFCCSFLAKICLENCAEIMRLL
 DDFGVNIEGVREKLDTFLLDNFVPLMSRPDLSYL SFEKLM SYLDNDHLSRFPEIELYEAQSWLRHDDR
 RWRHTDTIIQNIRFLMTPTSVFEKVKTSEFYRYSRQLRYEVDQALNYFQNVHQQLLDMKSSRIRSAKP
 QTTVFRGMIGHSMVNSEILLKKPRVWWELEGPVPLRPDCLAI VNNFVFL LGGEELGPDGEFHASSKVF
 RYDPRQNSWLQADMSVPRSEF AVGVIGKFIYAVAGRTRDET FYSTERYDITNDKWEFVDPYPVVKYGHE
 GTVLNNKLFITGGITSSSTSKQVCVFDPSKEGTIEQRTRRTQVVTNCWENKSKMNYARCFHKMISYNGKL
 YVFGGVCVILRASFSQGPCSTEVYNPETDQWTLASMP IGRSGHGVTVLQIMVLGGLCYNGHYSDSI
 LTFDPDENKWKEDYPRMPCKLDGLQVCNLFHPDYVLDVRRCN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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_030624.1 , NP_085127.1
RefSeq Size:	2146 bp
RefSeq ORF:	1815 bp
Locus ID:	80311
UniProt ID:	Q96M94
Cytogenetics:	Xp22.11
Gene Summary:	This gene encodes a member of the kelch-like family of proteins that share a common domain structure consisting of an N-terminal broad-complex, tramtrack, bric-a-brac/poxvirus and zinc finger domain and C-terminal kelch repeat motifs. The encoded protein may be involved in protein ubiquitination and cytoskeletal organization. [provided by RefSeq, Apr 2009]