

Product datasheet for **RG209494**

KLHL20 (NM_014458) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL20 (NM_014458) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHL20
Synonyms:	KHLHX; KLEIP; KLHLX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209494 representing NM_014458
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGGAAAGCCAATGCGCAGGTGTACCAACATTCGACCAGGAGAGACTGGAATGGATGTAACAAGCC
 GCTGCACCCTTGAGACCCCAACAACTGCCAGAAGGGTTCCCCAACCTGCCCGCATGCCCTATATCTC
 AGACAAGCACCTCGACAAACCTTGAAGTGATTAACCTTCTGAGAAAGCACCGGAGCTATGTGATGTG
 GTGCTAGTTGTGGGCGCCAAGAAGATATATGCCCATCGAGTCATTTTGTGAGCCTGTAGTCCCTACTTCC
 GAGCTATGTTTACAGGAGAATTGGCAGAGAGCCGTGACACAGAAGTAGTGATCCGAGACATTGACGAGAG
 GGCTATGGAATTACTGATTGACTTTGCGTATACCTCCCAGATAACAGTAGAAGAGGGCAATGTTCCAGACT
 CTTCTGCCAGCTGCTTGCTCCTCCAGCTGGCAGAAATACAGGAAGCCTGCTGTGAATTCCTAAAGAGAC
 AATTAGATCCTTCTAACTGCCTGGGCATTCGGGCTTTTGTGACACACATTCATGTCGTGAGTTGCTAAG
 GATAGCAGACAAGTTCACCCAACATAACTTTCAAGAGGTAAATGGAGAGTGAAGAGTTCATGTTGCTCCA
 GCCAATCAACTCATTGATATAATATCCAGTGATGAGCTAAACGTTCCGAGTGAAGAAACAAGTGTCAATG
 CAGTGATGGCCTGGGTCAAATACAGTATTCAGGAAAGACGTCCTCAATTACCCAGGTGCTGCAGCATGT
 TCGTTTGCCTTTGCTTAGTCCCAAGTTCCTGGTCGGCACAGTAGGCTCTGATCCCCTCATAAAAGTGAT
 GAAGAATGCAGAGACTTGGTAGATGAGGCTAAAACTACCTCCTATTGCCGCAAGAACGACCACTAATGC
 AAGGACCAAGGACGAGACCACGGAACCTATCCGATGTGGGAAGTACTTTTGCAGTTGGTGGTTGGTG
 CAGTGGAGATGCCATTTCCAGTGTGAACGATATGATCCACAGACCAATGAATGGAGAATGGTGGCTTCA
 ATGGACTCCTCTTATCTCAATAGTGTGAAAGGTATGACCCAAAACAAACCAGTGGAGCAGTGTGTGGC
 CCTACAAGCACCTGCAGGACAAGTGTGGTGTAGCAGTACTTGGAGGCTTTCTTTATGCTGTGGGTGGC
 CAGGATGGTGTGCTTGCTCAACATTGTTGAGAGGTATGATCCGAAGGAGAACAAGTGGACTCGGGTAG
 CTTCTATGAGTACCAGAAGACTAGGTGTGGCTGTGGCTGTGTTAGGAGGTTCTTATATGCTGTAGGTGG
 CTCTGACGGGACATCTCCTCTCAACACAGTGAACGTTACAATCCTCAGGAAAACAGATGGCACACTATA
 GCCCTATGGGGACCCGGAGGAAACACCTAGGCTGTGAGTATATCAGGACATGATCTATGCTGTAGGAG
 GTAGAGATGACACTACAGAGCTGAGCAGTGTGAGAGATAAACCCAGAACAACCAGTGGTCTCCAGT
 GGTGGCCATGACATCACCCGTAGTGGAGTTGGCCTGGCAGTGGTCAATGGACAGCTCATGGCAGTAGGA
 GGTTTTGTGACACAACATACTTGAAGACCATAGAAGTTTTTATCCTGATGCCAATACATGGAGGTTAT
 ATGGCGGGATGAATTACCGTCCGCTAGGGGTGGCGTAGGAGTTATTAATGACACATTGTGAATCCCA
 TATTTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209494 representing NM_014458
 Red=Cloning site Green=Tags(s)

MEGKPMRRTNIRPGETGMDVTSRCTLGDPNKLPEGVPQPARMPYISDKHPRQTLEVINLLRKHRELCDV
 VLVVGAKKIYAHRVILSACSPYFRAMFTGELAESRQTEVVIRIDIDERAMELLIDFAYSQITVEEGNVQT
 LLPAACLLQLAEIQEACCEFLKRQLDPSNCLGIRAFADTHSCRELLRIADKFTQHNFQEVMESEEFMLLP
 ANQLIDISSDELNVRSEEQVFNAVMWVKYSIQERRPQLPQVLQHVRLPLLSPKFLVGTGSDPLIKSD
 EECRDLVDEAKNYLLLPQERPLMQGPRTRPRKPIRCGEVLFAVGGWCSGDAISSVERYDPQTNEWRMVAS
 MSKRRCGVGVSVLDDLLYAVGGHDGSSYLNSVERYDPKTNQWSSDVAPTSTCRTSVGVAVLGGFLYAVGG
 QDGVSLNIVERYDPKENKWTRVASMSTRRLGVAVAVLGGFLYAVGGSDGTSPLNTVERYNPQENRWHTI
 APMGTRRKHLCVAVYQDMIYAVGGRRDTELSSAERYNPRTNQWSPVAMTSRRSGVGLAVVNGQLMAVG
 GFDGTTYLKTIEVFDPDANTWRLYGGMNYRRLGGGVGVIKMTHCESHIW

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_014458

ORF Size: 1827 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_014458.4](#)

RefSeq Size: 3505 bp

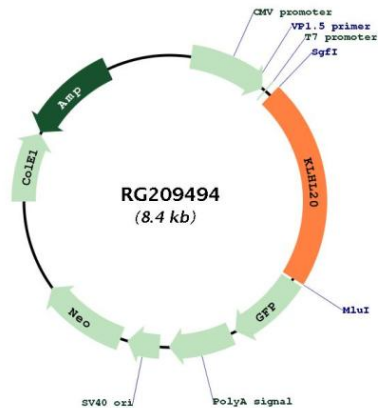
RefSeq ORF: 1830 bp

Locus ID: 27252

UniProt ID: [Q9Y2M5](#)

Cytogenetics:	1q25.1
Domains:	BTB, Kelch
Gene Summary:	The protein encoded by this gene is a member of the kelch family of proteins, which is characterized by a 44-56 amino acid repeat motif. The kelch motif appears in many different polypeptide contexts and contains multiple potential protein-protein contact sites. Members of this family are present both throughout the cell and extracellularly, with diverse activities. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209494