

Product datasheet for **SC120402**

KLHL6 (NM_130446) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL6 (NM_130446) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_130446, the custom clone sequence may differ by one or more nucleotides

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ATGTTGATGGCAGGACAAAGGGGCGCTGGACCATGGGTGATGTGGTCGAGAAGAGTTTGAAGGGCCCC
TGGCACCTTCTACAGATGAGCCCTCCAGAAAACAGGAGACTTGGTCGAGATCTTAAATGGGAAAAGGT
CAAATTTGACGACGGGACTCTCCTTAATTCTCAGAATGGCCTGAAAACCTGCGAATGGAAAACGCT
CTGACAGATGTCATCTTGTGTGGACATTCAGGAATTCCTGCCACCGCGTGGTCTTGCCGACGCCA
GCAACTATTTAGGGCCATGTTCTGCAACGATTTAAAGGAAAAGTATGAGAAAAGGATCATTATTAAGG
GGTTGATGCTGAGACCATGCACACTCTGTTGGACTACACGTACACCAGCAAGGCGCTGATCACCAAGCAG
AATGTCCAGCGGGTCTGGAGGCTGCTAACCTCTTCCAGTTCTCGCGATGGTGGATGCCTGTGCCAGCT
TCCTCACTGAAGCCTTGAACCCAGAAAACCTGCGTTGGAATACTGAGGCTGGCTGACACACACTCGTGGA
CAGTCTAAAGAAGCAGGTTACAGATTACATCATTCAAACCTTTGTGCAGATTCTGAACTCTGAGGAGTTT
CTTGACCTGCCCGTGGACACTCTGCACCACATCTTGAAGAGTGATGACCTTTACGTGACCGAGGAGGCTC
AGGTGTTTGAGACCGTGATGAGTGGGTCCGGCACAAGCCATCAGAACGACTCTGCTTACTCCCCTATGT
CCTCGAGAACGTGCGCTTACCGCTTCTGGACCCGTGGTACTTTGTGGAGACGGTGGAAAGCAGATCCTCTC
ATCAGGCAGTGCCAGAGGTCTTCCCGTCTCCAGGAAGCCAGGATGTACCACCTTTCTGGCAATGAGA
TCATTTCCGAACGCACCAAGCCCAGGATGCATGAGTTCAGTCTGAGGTGTTTCATGATCATTGGCGGCTG
CACGAAGGATGAACGGTTTGTGGCAGAGGTGACCTGCCTGGACCCCTGAGGCGCAGCCGCTGGAGGTG
GCCAAGCTCCCGTAACAGAGCATGAGCTGGAGAGTGAGAATAAGAAGTGGGTGGAGTTTGCATGCGTGA
CATTGAAAATGAGGTCTACATCTCAGGTGGCAAAGAACACAGCATGATGTTTGGAAATATAATTCTTC
GATCAACAAGTGGATTACAGTTGAGTATTTAAACATAGGCCGCTGGAGGCATAAGATGGTGGTGTGGGT
GGCAAGTCTATGTGATCGGAGGCTTTGACGGCTTACAGAGAATCAACAATGTGGAGCTACGACCCCT
TTCACAACTGCTGGTCAGAGGCCGACCCCTCCTTGTCCATGTCAGTTCCCTTTCAGCCACGACGATAA
GAAGAAGCTGTATGTGATCGGGGAGGGCCCAATGGGAACTGGCCACAGACAAGACTCAGTGTTATGAC
CCTTCCACCAACAAGTGGAGTTTGAAGGCGCCATGCCCGTGGAGGCTAAATGCATCAATGCAGTGAGTT
TCCGGGACCGCATCTATGTCGTTGGTGGGGCCATGAGAGCGCTGTACGCTACAGCCCGTGAAGACAG
CTGGTGCCTGGTACCCAGCTCAGCCACAGCGGGCCAGCTGCGGTATCGCGCCCTGCAACAACCGGCTC
TACATCACCGCGGGGACGAGAAGAACGAGGTTATCGCCACGGTGTGTGCTGGACCCCGAGGCC
AGAACTGACAGAGGAGTGGTCTGCCCCGGGCGTGTGCACCACGGCAGCGTACCATCAGGAAGTC
GTACCCACATCCGAGGATCGTGCCCGGAGCAGTGTCTGTCTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_130446 unedited

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CCCCCTATCCCCGCCCCGTTGACGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTAT
ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCG
GCCGGAATTCGGCACGAGGGCAGGACAAAGGGGCGCCTGGACCATGGGTGATGTGGTGC
AGAAGAGTTTGAAGGGCCCTGGCACCTTCTACAGATGAGCCCTCCAGAAAACAGGAG
ACTTGGTCGAGATCTTAAATGGGAAAAGGTCAAATTTGACGACGCGGACTCTCCTTAA
TTCTTCAGAATGGCTGGAACCCCTGCGAATGGAAAACGCTCTGACAGATGTCATCTTGT
GTGTGGACATTCAGGAATTCCTGCCACCGCGTGGTGTGCTTGCCGACCCAGCAACTATT
TCAGGGCCATGTTCTGCAACGATTTAAAGGAAAAGTATGAGAAAAGGATCATTATTAAG
GGTTGATGCTGAGACCATGCACACTCTGTTGGACTACACGTACACCAGCAAGGCGCTGA
TCACCAAGCAGAAATGCCAGCGGTCTGGAGGCTGCTAACCTCTTCCAGTTCTGCGGA
TGGTGGATGCCTGTGCCAGCTTCTCACTGAAGCCTTGAACCCAGAAAACCTGCGTTGGAA
TACTGAGGCTGGCTGACACACACTCGCTGGACAGTCTAAAGAAGCAGGTTACAGATTACA
TCATTCAAAACCTTTGTGCAGATTCTGAACTCTGAGGAGTTTCTTGACCTGCCCGTGGACA
CTCGCACACATCTTGAAGAGTGATGACCTTTACGTGACCTGAGAGGCTCAGGTGTTTG
AGACCGTGATGAGCTGGGATCTGCACAAGCCATCAGAACGACTCTGCTTACTCCCCTATG
TCCCTCGAGACGTGCGCTT
    
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Restriction Sites: NotI-NotI

ACCN:	NM_130446
Insert Size:	3000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_130446.1 , NP_569713.1
RefSeq Size:	6320 bp
RefSeq ORF:	1833 bp
Locus ID:	89857
UniProt ID:	Q8WZ60
Cytogenetics:	3q27.1
Domains:	BTB, Kelch
Gene Summary:	This gene encodes a member of the kelch-like (KLHL) family of proteins, which is involved in B-lymphocyte antigen receptor signaling and germinal-center B-cell maturation. The encoded protein contains an N-terminal broad-complex, tramtrack and bric a brac (BTB) domain that facilitates protein binding and dimerization, a BTB and C-terminal kelch (BACK) domain, and six C-terminal kelch repeat domains. Naturally occurring mutations in this gene are associated with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]