

Product datasheet for **SC102325**

KLHL1 (NM_020866) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL1 (NM_020866) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL1
Synonyms:	MRP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC102325 sequence for NM_020866 edited (data generated by NextGen Sequencing)

```

ATGTCAGGCTCTGGGCGAAAAGACTTCGATGTGAAGCACATTCTGCGACTCCGCTGGAAA
CTCTTCAGCCACCCGCTCTCTTCCACCGGCGGCCCGGGGGAGGCTGCCTGCAACAG
GACGGCAGTGGCAGCTTTGAGCACTGGGGACCCAGCCAGAGTCGCCTGCTCAAAAGCCAA
GAGAGAAGCGGTGTGAGCACTTTCTGGAAGAAGCCTTCTCTCTTCTCTTCTCGTCGTCC
TCCCCGTCTCTCTCTCTCTCTTCTCAATCCGCTGAATGGCACCCCTGCTTCCAGTTGCC
ACGAGGCTGCAGCAAGGGGCTCCTGGGCAGGGCACTCAGCAGCCAGCCAGGACTCTCTTC
TACGTGGAGTCACTAGAGGAGGAGGTGGTGCCAGGCATGGAATTTCTGGACCACACGAA
AAAGGGCTGGTTCTGCAAGAGCTCAAAGTGGAGCCAGACAATCTAGCCAGGCAACAGGT
GAAGGATGTGGACACAGGCTGTCAATCAACGGCCATTCAATGACACCTCAAAGTGATTTG
GACTCCAGTAGCTCTGAAGAATTCTATCAAGCTGTTTCATCATGCTGAGCAAACTTCAGA
AAGATGGAAGTTATTTGAAGCAGCAGCAACTTTGTGATGTTATCCTGATTGTTGGGAAC
CGAAAGATACCTGCACATAGGCTTGTCTGAGTTCAGTCTCCGACTATTTTGCGGCCATG
TTTACAAGTGATGTTTGTGAAGCCAAGCAAGAGGAGATCAAAATGGAAGGCATAGACCCC
AATGCTCTCTGGACCTTGTCCAATTTGCATATACAGGCTGCTTGAATTTAAAGAGGAC
ACCATTGAGAACCTTCTTGTGTCAGCGTGCCTTCTTCACTTCCACAGGTGGTGGAAAGT
TGCTGCCACTTCTCATGAAGCTTTTGCATCCATCTAACTGTTTAGGAATTCGAGCCTTC
GCAGATGCTCAAGGATGCATTGAGTTAATGAAGGTGGCCACAGCTACACAATGGAAGAAC
ATAATGGAAGTTATCAGAAATCAAGAGTTTTTACTCTTCCAGCTGAGGAGCTCCATAAA
CTACTGGCCAGTGATGATGTCAATGTTCTGATGAAGAAACCATTCTTCCATGCATTGATG
ATGTGGGTCAAGTATGACATGCAGAGTAGATGCAATGACCTGAGCATGCTTCTTGCTTTT
ATAAGACTGCCACTGCTTCCACCACAGATATTGGCTGACCTAGAAAATCATGCATTATTT
AAGAATGATCTGGAATGTCAAAAGCTGATTCTAGAAGCAATGAAATACCATCTATTGCCA
GAAAGAAGAACTTTAATGCAAAAGTCCGAGAAGTAAACCCAGAAAATCTACAGTCGGAAGT
TTGTATGCTGTAGGAGGAATGGATAACAACAAAGGAGCTACAATATAGAGAAATATGAT
CTGAGAACAAATCTGTGGATCCAGGCAGGGATGATGAATGGCAGAAGGCTGCAGTTTGGT
GTGGCTGTTATTGATGACAACTCTTTGTAATTGGAGGTCGAGATGGCTTAAAGACATTG
AACACTGTTGAATGTTACAATCCCAAAACCAAGACATGGACTGTCTTACCACCAATGTCA
ACACACAGACATGGTCTAGGTGTAACTGTTGAAGGCCCTATTTATGCTGTGGGAGGC
CATGATGGCTGGAGCTATCTGAATACAGTGGAAAGGTGGGATCCACAGAGTCAACAATGG
ACATTTGTAGCCAGTATGTCAATTGCTCGGAGCACAGTTGGTGTAGCAGCATTGAATGGC
AAGTTGTATTCACTTGGAGGTCGTGATGGAAGTTCCTGTTTGAAGTCAATGGAATATTAT
GATCCTCATACAAATAAGTGGAACATGTGTGCTCCCATGTGTAAGAGGAGAGGGGGTGTG
GGAGTGGCCACATGTGACGGTTTTCTTTATGCAGTAGGAGGTCATGATGCTCCTGCTTCA
AATCACTGTTCCCGGCTACTGGATTATGTAGAAAGATATGATCCCAAAACAGACACTTGG
ACCATGGTGGCTCCTTTGAGTATGCCAGAGATGCTGTTGGGGTCTGTCTCCTTGGTGAC
AGATTATATGCTGTTGGTGGCTATGATGGACAGACATACTCAACACTATGGAATCCTAT
GACCCACAACTAATGAGTGGACACAGATGGCTTCCTTGAATATTGGGAGAGCAGGTGCC
TGTGTGGTAGTCATCAAGCAACCTTGA

```

Clone variation with respect to NM_020866.2
234 a=>g

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020866 unedited TACAAACTGACTATATAAAACCACTCTTCTGGCATTGCAGAAAGCAATTGACTTTCTCA GAGCCACCCGGCAGGCTATCGGGGCATCCTCGAAAAGGCCAGGGNACAGGGGCGCAGGTG CACCAAGAGATCTGGCGAGGGGTACGCTTCTCGAGACTTGGGGCTCTTTCTCTCTGCGC TCTCCAGACACTGAACTCTGAGCTGCAAGGACAAGAAGCCACCACCTTCCCTACTAAGG CTCTGCCACAAGCGCATCCAGTGAGGTGTATCCAGCTGCAGCCGCTCCGGAGCTTCGG AGCGCTCAGACCTCCCTCCCTCGCGCATCTCCAGCCTAAGGGTTGTCCACCTCGCCATA ACACGGGGCTCTCGCGCGGGCATCGAGGATTCTCAGCTTTTGGCGTCCCAGTCTCGCCTC TGCTCCTGCCTGGTGGTGTCCCCACGCCAGGTCTGCGGACCCGACCACGGCTGAAACG CGCGGCTTTGCCGTCTGCGCTCCAGCCTTCGCCTGGCAGAGCGCGCAGCCACCTAGCGT CTTCTGGCTCTAGGGGTGCAGAGGGCGCATCCCGCCTTCTCTCCGCCCCGGGCCCCGC TGTCTCCCCACCTGCTGACCAGCCTACTCTGCGTGAGCTGCCAGCCTTTTGCCTTCT GTGCGTAAAGCATGTCAGGCTCTGGGCGAAAAGACTTCGATGTGAAGCACATTCTGCGAC TNCGCTGAAAACNTTCAGCCANCCGTCTTCTTTCACCGCGGCCCGGCGGGGGGAGGC TGCTGCAACAGGACGGCAATGGCA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_020866 unedited ATCTGATGANACCGGCCNCGTCTANCTTANGATNCGNAGTAATCCCTTTCTTTCTTTT TGATTTTCTCGATCATTCTTAATTGTAATTAATTTACATGGGCCTATTTATTAAGGA CATTGTGTAATGTTCCCACTTTGTTTTAAACAATTACAAACATGTGGCTAAAATAATGT CCACATCAATGTAACAAGTTTGAAAAATGGGCGACGAGAATATGAAGTCTGCCTTCTTTC TACCAATAATCATAACCACTCCAACCTTAATGGATCATATGTTTTCTTTGAACCCCTAA CCTTGCTTAAGAACACATTTCTAACCGAGCTCAACATGCATTGCATCTATCTATCATTCA TAATCACTATTTTCCATGCTTACACTCGAACCTAACCCAGGTAATGCCCAACCACTTAC ACTGCCTTTCCGGCCTACTGTGTACACACCACACAATATGGTACCCCTACTGACAAATA ATCCTTTGCGCCCGTTTTCTACATTGCCTACACGGCTGCACCCAAAATCAACCAATTATC CCCGATGAAATATCGACCTTCGTTCCACCCCAACCTCTCTTTTCCACGTTATTACCAC ATATGAATTTGTTCTCCACCTCCCCCTTTTCTATTACCCCGCCCTATCCCCCTT TTTTACATTTCCCTCCCGCTTTACTTCTTTACCCTCCTCCATTTCACCAACCCCCC CCATTTTTTATTGCTTTACCCATATTTCCCCCTTTTCCCCCCCCCAATTATCTTCC GATTTTTTCTTCCGCTTTTTTTCCCTATTCCCGCTTCTCCCCCTTCTCCGCCACCTT TTTCCCCATTTCTATTCTATCCCATTTATCACATATCCTTTCTCTCCCTCACTTATC TCCCTTTTCTAATTCACATACCCCGCTAACCTCCCCCTTAATCATACCGTTACCTTC CCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_020866
Insert Size:	4230 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:	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:	<u>NM_020866.1, NP_065917.1</u>
RefSeq Size:	3992 bp
RefSeq ORF:	2247 bp
Locus ID:	57626
UniProt ID:	<u>Q9NR64</u>
Cytogenetics:	13q21.33
Domains:	BTB, Kelch
Gene Summary:	The KLHL1 protein belongs to a family of actin-organizing proteins related to Drosophila Kelch (Nemes et al., 2000 [PubMed 10888605]).[supplied by OMIM, Feb 2010] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).