

Product datasheet for **SC107054**

KLHL8 (NM_020803) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	KLHL8
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene ORF within SC107054 sequence for NM_020803 edited (data generated by NextGen Sequencing)

ATGGCTTCAGATTCTATGAGTAGTAACAAGCTAGGAATCACATTACAAAGGGGAAAAGG
 CAACAACAGCACCAGCAAAATAAGAACAGATCCTCAATTAGTGATGGTGATGGAGAAAGAT
 TCCTTTATTTTGAAGCAAAATGAAGCTTGAAAGATTTTCATGGTTCTCTTCTCCGATTT
 TATGAAAATGGAGAACTCTGTGATGTCACACTCAAGGTTGGCTCAAAGCTAATCTCTTGT
 CACAAGCTGGTATTGGCTTGTTATCCCTACTTTAGAGCCATGTTTCTTCTGAAATG
 GCTGAAGCCAAGCAAAAGCTGATTGAGATTAGAGATTTTGATGGTGATGCAATAGAAGAC
 TTGGTAAAGTTTGCTATTCTTCACGGCTCACTTTGACTGTTGACAATGTCCAGCCTCTC
 TTATATGCAGCCTGATTCTGCAGGTTGAAGTGGTGGCTAGAGCTTGTTGTGAATACATG
 AAGTTACATTTTCATCCCTCCAATTGCCTGGCAGTAAGAGCCTTTGCAGAAAGTCACAAT
 CGAATAGACTTAATGGACATGGCGGATCAGTATGCCTGTGACCATTTTACTGAAAGTAGTG
 GAGTGTGAAGACTTTGAAGTGTATCACCGCAGCACCTCCATAAGCTTTTGCTCCTCAGT
 GATCTAAATATTGAAAATGAAAAGCAGGTCTATAATGCTGCCATCAAGTGGCTTCTTGCC
 AATCCTCAGCATCATTCAAAATGGTTGGATGAAACACTTGACAGGTTGCCTGCCATTG
 TTGCCGGTTGATTTCTTATGGGTGTTGTGGCAAAAGAACAGATTGTCAAGCAAAATCTA
 AAATGTAGAGATTTACTGGATGAAGCAAGAAATACCACCTTCACTTGAGTAGCAGAGCA
 GTACCTGACTTTGAATACTCCATTTCGACTACCCCAAGGAAGCATACTGCTGGTGTGCTG
 TTTTGTGATGGTGGTCGAGGTGGATCTGGTGACCCCTTTCGAGTATTGAATGCTATTCT
 ATCAACAAAAACAGTTGGTTCTTTGGACCAGAAATGAATAGTCGAAGGCGACATGTGGGT
 GTAATCTCTGTGAAGGTAAAGTGTATGCAGTAGGTGGACATGATGAAAATGAACATTTA
 GGGAGTATGGAGATGTTTGATCCTCTCACTAATAAATGGATGATGAAGGCATCAATGAAC
 ACAAAGAGGCGAGGAATTGCCTTGGCTTCTTAGGAGGCCCAATTTATGCAATTGGAGGG
 TTAGATGACAATACTTGTCTCAATGATGTGGAGAGATATGACATAGAATCTGATCAGTGG
 AGTACAGTGGCACCAATGAATACTCCCGTGGAGGAGTTGGCTCTGTTGCTCTAGTAAAC
 CATGTTTATGCAGTAGGTGGCAATGATGGAATGGCTTCTTTATCTAGCGTGGAGAGATAT
 GATCCACATCTGGATAAGTGGATAGAAGTTAAAGAAATGGGTCAGCGAAGAGCAGGCAAT
 GGAGTTAGCAAGCTTCATGGTTGCTTATACGTAGTTGGTGGTTTTGATGATAATTCTCCT
 CTGAGTTCAAGTTGAGCGGTATGACCCCGAAGCAACAAGTGGGATTATGTGGCAGCACTT
 ACTACTCCCAGAGGTGGAGTGGGAATCGCAACAGTGTGGGCAAAATCTTGCAAGTTGGT
 GGTCTAATGGCAATGCATACTTAAATACAGTAGAAGCGTTTGATCCAGTGCTGAATAGG
 TGGGAGCTTGTGGATCTGTGTCTCACTGCAGAGCTGGAGCAGGAGTAGCTGTGTGTTCC
 TGTTTAACTAGCAAAATTCGAGATGTAGGTCATGGATCCAATAATGTGGTTGACTGTATG
 TGA

Clone variation with respect to NM_020803.3
 174 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020803 unedited

GGCCGCGAAATTCGCACGAGGCTCGCGGGGGCTGAGGCGAGAGGACGCCAAGCGCCCGCC
 GGGGCTCTGCGGGGCCGCGCAGGAGAGCGCGCTCCGCCGGGTGCTCGCGCGGGGTTGGT
 GAGGTTCCGCTGAGGGCGGCCGGGCTCTGGGAGCGTGGTAACGTGGCTGCAACCTTAGC
 GACATCAGGAAGAACAGGGTCGAGGATCGAGTCACAGCAAACTGTACAATGGCAGTTGAG
 TGGGTTTTGAAAAACGTCTGAATTGTAGTGTCTACATCTACCTTCTGCCTTCTCTTACC
 CTTTGAATAAAATGGAATGTCATGTTGAGAAGAGAGCTCTATTAAGAGGAATATTGC
 AAATGGCTTCAGATTCTATGAGTAGTAAACAAGCTAGGAATCACATTACAAAGGGGAAAA
 GGCAACAACAGCACCAGCAAAATAAGAACAGATCCTCAATTAGTGATGGTGATGGAGAAG
 ATTCCTTTATTTTGAAGCAAAATGAAGCTTGAAAGATTTTCATGGTTCTTCTCCGAT
 TTTATGAAAATGGAGAACTCTGTGATGTCACACTCAAGGTTGGCTCAAAGCTAATCTCTT
 GTCACAAGCTGGTATTGGCTTGTTATCCCTACTTTAGAGCCATGTTTCTTCTGAAA
 TGGCTGAAGCCAAGCAACGCTGATTGAGATTAGAGATTTTGATGGTGATGCAATAGAAG
 ACTTGGGTAAGTTGTCTATTCTCAGGGCTCACTTTGACTGGTGACATGTCCAGCCTCT
 CTATATGCAGNCTGATTCTGCAGGTGAAGTGGTGTANAGCCTGTGTGATACATGAGGT
 ACATTTTCATCC

Restriction Sites:

NotI-NotI

ACCN:	NM_020803
Insert Size:	4000 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_020803.3 , NP_065854.3
RefSeq Size:	4576 bp
RefSeq ORF:	1863 bp
Locus ID:	57563
UniProt ID:	Q9P2G9
Cytogenetics:	4q22.1
Gene Summary:	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex required for The BCR(KLHL8) ubiquitin ligase complex mediates ubiquitination and degradation of RAPSN. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (1).