

Product datasheet for **MC202127**

Klh2 (NM_178633) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klh2 (NM_178633) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klh2
Synonyms:	6030411N21Rik; ABP-KELCH; AU020744; Mav
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031144 sequence for NM_178633
 GGGGCCGCCGCCGAGGTGGTGGCGCGCGGTGAGGAGCGCTGCGCCCCCTCGGGCGGATGGAACGGGGC
 TGGGCGGGCGGACAGTGCCGGCTCCGCGGCTGGTATGGTGTGGCGGGCGGTCGCTGCCTGCTTCT
 GAAGCCCCGCGAGGAGCCACAATGGAGACGCCCACTGCCTCCCGCATGCACAAAGCAGGGTCATCAGAA
 GCCCTCGATTCAAAGACGAGAATCCTGAGAAACATTGCCACTGACGGTGAACCCCTGGCACATGAAG
 AAAGCCTTTAAAGTCATGAACGAACTCAGAAGTCAAATCTGCTGTGTGACGTCACGATTGTGCCAGAAG
 ACATGGAGATCCCTGCTCACCCGCTGGTGGTGGCGGCTGCAGTCCGTAATCCACGCCATGTTTACAGG
 TGAGATGAGCGAGAGCCGAGCAAAGAGAGTTCAATAAAAGGAGGTGGACGGCTGGACCCCTGAGGATGCTG
 GTCGATTACGTTTTACACGCGAGAGATTCAGGTCACAGAGGAGAACGTGCAGGTCCTCTCCACGAGCTG
 GCCTGCTACAGTTACAGGATGTGAAGAAGACATGCTGTGAATTTTTAGAATCCCAGCTTACCCTGTCAA
 CTGCTTAGGAATCCGGGCTTTTGTGATATGCATGCATGCACAGACCTCCTGAATAAGGCCAACACGTAT
 GCAGAACAACATTTTGCAGATGTCGTAATAGTGAAGAGTTTCTAACCTCGGCATCGAGCAGGTGTGCA
 GCTTAATCTCCAGTGATAAACTCACCATTTCTCCGAGGAGAAGTATTTGAAGCAGTCATCGCTGGGT
 AAACCACGATAAGGACGTAAGACAGGAGTTCATGGCTCGGCTCATGGAGCATGTCGATTACCTCTGCTT
 CCTCGGGAGTACTTGGTGCAGCGGTTGAAGAGGAAGCATTGGTGAAGAACAGCAGTGCCTGCAAAGATT
 ACCTCATTGAAGCCATGAAGTACCACCTGCTGCCGACAGAGCAGCGCATGTTAATGAAGAGCGTGCAGGAC
 CCGCTGAGGACGCCATGAACCTTCCCAAATTGATGGTGGTGGTGGGGGCCAGGCACCAAAGGCTATC
 CGAAGTGTGGAATGCTACGACTTCAAAGAAGAACGGTGGCACCAGGTGGCAGAGCTGCCTTCCAGGAGGT
 GCAGGGCAGGGATGGTCTATATGGCTGGGCTGGTCTTGTGTTGGTGGCTTCAATGGCTCACTAAGAGT
 TCGCACTGTAGATTCTATGACCCCGTGAAGACCAGTGGACCAGCGTGGCGAACATGCGAGACCGAAGA
 AGCACACTTGGAGCCGCGGTGCTGAATGGGCTGCTGTACGCCGTGGGGGGCTTTGACGGCAGCACAGGTC
 TATCGTGTGGAAGCATACAACATAAAATCTAATGAGTGGTTTCATGTGCCCAATGAACACGAGGAG
 GAGCAGTGTGGTGTGGGCTTGGAGTTGGTCTATGCCGTGGGGGGTTACGATGGAGCATCGCGC
 CAGTGTCTTAGCACAGTAGAATGCTATAATGCTACTGCAAACGAGTGGACTTACATAGCAGAAATGAGCA
 CCAGACGGAGCGGAGCAGGTGTTGGTGTGTTAAACAACCTATTATATGCTGTAGGAGTCTATGATGGTCC
 TTTAGTACGAAAAAGTGTGAAGTATATGACCCACCACAAATGCCTGGAGACAGGTTGCAGATATGAAC
 ATGTGCAGAAGAAATGCAGGTGCTGTGCAGTTAATGGTCTGTTGTATGTTGTGCGGAGGAGATGATGGT
 CCTGTAACCTGGCGTGGTAGAGTATTATAACCCACCACGATAAATGGACAGTTGTGCTCTTGTAT
 GAGCACGGGGAGAAGCTACGACGGGTCACAGTTATTGATAAACCGTTATGAGCCTGAAGGACATTTTCA
 GCGTATCATTCCATGAGAACCAGGCGTCCACAAGTATTTCTGAAGGACTGAGCGCTGGCCTCTCCACT
 TGTAGCCGCACTTACGCTCAGCAGAAGATGAGACCATCTGCCTTCAGAGGCCTCGGATACTGAAGATT
 ATTTTTGGTAGAAGCACTGTGTAGGCTTTCTCTGACCGAGCAGCAGCTGACTGACTTTACAAGAGACCT
 AGACTGCAGTCCCTCCACTGTGGTCTTTAGGCAACAGTCGCTTTCATAAAAACTAGTTCTTATCAGCCTC
 GAATGACTATGGATTATTTGTGAAAGAGAATAAAGTTAACGTGTGTTCTTGTAATAAAGTTTATCT
 TTATTTCTTCTCCTGAAAAATCTCCTGGGAACAGAGAATCTTTGGAGCAGATTAAATCTATGTAAGTAT
 ATGACACTGTTGAGGGGTGAACTGCTGGCTTTTATAAGTATCTTTGATTACATGACTATAATAAATTGT
 GTGCATATAAATGTGTGCTATATGCTTTCCTTTAAATATGTTTGAAGAGATGTTTGATTATCTATTTAT
 AATTGGCACAGTACTTTGAATATGCCAGTACTACATTGTAACAGAGTTGATTTTTTGTATTTAAC
 AATGCTGAACACTTTAAAAACGCCACTTCTGAGGAATGAATGAACATGGCGTAACACACTTTAATATGT
 GTGATGCCAAACTTTTTTAAATAAAATATAAATTATGCTTATTTATTTTTTTCTTTAGTTTAACTT
 GATCATGTTTTGGTGTGTTTTTAATTTTTTTCTTAAAGTAACACTTTTGGCATGAACATACCTGCAG
 GTTTTTGTGATGAATATAATGAATGTGTGGAATCAACTGAATTTGCATGGTCTTAAGAATTTTTTCTGTG
 TGTATAAATTTAGCTGCTATTAATGGAAGAGAAAGCTTTCTGTGACTAATCATGTGTATTGAGCAGATAG
 TTTTTCTGAGATCTTCGATTAATCTTTAAAGATGACCAACATGTGTCTTTCTGAATTATCTTTGAAT
 AAAAGTTGTATATTAATAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_178633
Insert Size: 1782 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:	BC031144 , AAH31144
RefSeq Size:	3040 bp
RefSeq ORF:	1782 bp
Locus ID:	77113
UniProt ID:	Q8JZP3
Cytogenetics:	8 B3.1
Gene Summary:	Promotes growth of cell projections in oligodendrocyte precursors. Responsible for degradative ubiquitination of the WNK kinases WNK1, WNK3 and WNK4 (By similarity). Component of a cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex that mediates the ubiquitination of target proteins, such as NPTXR, leading most often to their proteasomal degradation. Plays a role in the reorganization of the actin cytoskeleton. [UniProtKB/Swiss-Prot Function]