

Product datasheet for **MC200957**

Mkln1 (NM_013791) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mkln1 (NM_013791) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mkln1
Synonyms:	A130067F06Rik; AU015903; BB154892
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013703 sequence for NM_013791
 CCGTGTGACAAGATGGCGGCTGGCGGGCTGTTGCTGTGGCGCCGGAGTGCCGGCTTCTGCCCTACGCG
 CTGCATAAGTGGAGCTCCTTCTCCTCCACCTACCTTCCGAGAACATTTTAGTGGATAAACCAAATGATC
 AGTCTTCCAGATGGTCTTCCAGAGAGCAACTATCCTCCCAATACTTGATTCTGAAGCTTGAAGGCTGC
 TATCGTTCAGAAATATTACATTTGGAAAAATGAGAAAACTCATGTCTGCAATTTGAAGAAATCAAAGTT
 TTTGGTGAATGAATGAAGAAAAATGACAGAGCTGTTGTCCAGTGGCCTGAAGAATGATTATAACAAAG
 AGACATTTACCTTGAACATAAAAATTGATGAACAGATGTTCCCTTGTCCGATTCATTAATAATGTTCCACT
 TTTGTCCCTGGGGCCAGCTTTAACTTTAGCATCTGGTATGTTGAACTTAGTGCCATTGATGATCCTGAT
 ATCGTGCAGCCCTGTCTGAACTGGTACAGCAAGTACCGTGAACAGGAAGCCATTGCGCTTTGCTAAAAAC
 ACTTCAGACAACATAACTATACAGAGGCTTTTGAATCCCTGCAGAAGAAAACCAAGATTGCACTGGAAACA
 TCCAATGTTGACAGATATGCATGACAAATTGGTGTAAAGGGTGACTTTGATGCTTGCAGGAGTTGATT
 GAAAAAGCTGAAATGATGGCTTGTCAATCAGTATATCAGTCAACAGGAGTATAAGCCACGGTGGAGTC
 AGATTATTCCTAAGAGCACCAAAGGCGATGGAGAAGATAACAGACCAGGAATGAGAGGGGGCCATCAAAAT
 GGTCAATTGACGTCCAGACAGAGACTGTTTATTTGTTGGTGGCTGGGATGGAACACAAGATCTTGCTGAC
 TTCTGGGCATACAGTGTGAAGGAGAACCAGTGGACATGATTTCTAGAGACACTGAGAAAGAGAATGGTC
 CGAGTGCCAGATCGTGTATAAGATGTGATTGACATTACGCGGAGACAAATCTACACATTGGGCGGTTA
 CTTGGATTCTCTGTGAGGAACAGCAAATCTCTGAAAAGTGATTTCTACCGTTACGACATTGACACTAAT
 ACCTGGATGTTACTAAGTGAAGATACTGCCCGACGGTGGACCAAAGTTGGTGTGTTGATCATCAGATGT
 GTATGGACTCAGAAAAACATATGATCTACACGTTTGGTGGCAGGATTTTGACGTGAATGGCAGTGTAGA
 TGACAGCAGAGCCAGTGAGCCACAATTCAGTGGTTGTTTGCCTCAACTGCCAGTGTCAAACCTGGAAA
 CTTCTTCGAGAGGATTCTGTAATGCTGGCCCTGAGGACATCCAGTCTCGGATTGGACACTGCATGCTGT
 TCCACTCAAAAACCGTTGCTTATATGTGTTGGTGGCCAGAGATCCAAGACCTATTTGAATGATTTCTT
 TAGTTATGATGTGACTCAGATCATGTAGACATAATTTAGATCCAGCAAGAAAGACTCTGGAATGGTT
 CCAATGACCGGATTCACACAGAGAGCAACTATTGATCCAGAACTGAATGAAATACATGTCTTATCCGGAC
 TTAGCAAAGACAAAGAAAAGAGGGAAGAGAATGTCAGAAATTCATTCTGGATTTATGACATTGTGAGGAA
 TAGCTGGTCTGTGTCTATAAGAATGATCAAGCTACAAAAGATAATCTGAGTAAAAGTCTTCAGGAGGAA
 GAACCATGTCCAAGGTTTGGCCATCAACTCGTTTATGATGAATTACACAAGGTTTATTATTTGGTG
 GAAATCCAGGAAAATCTGCTCTCAAAGATGAGACTAGATGACTTCTGGTCACTGAAGTTGTGTAGACC
 TTCAAAGACTACTTACTGAGGCATTGCAAGTACCTCATAAGAAAACACAGGTTTGAAGAAAAGGCCCAA
 ATGGATCCCTTAGTGCTCTGAAGTATTTACAAAATGATCTTTATATAACTGTGGATCATTCCGACCCAG
 AAGAGACAAAAGAGTTTCAACTCTAGCCTCAGCTCTGTTCAAATCTGGCTCAGATTTACAGCTCTAGG
 CTTTTAGATGTGGATCATACTATGCTCAAAGAACTCAGCTCTTTGACACCTTAGTAAATTTCTTTCTCT
 GACAGCATGACTCCTCTAAAGGCAACCTGGTAGACTGATCACACTGTAGACTGGGGAGTGGGATTGAA
 GAATTAAGTGGGCTCAGACATGGAGAAGGAACAGCTGTTCTGTGGGCAGAGGTGACGCTGCAGGTAAGTGA
 GGACGGCACCCAGAGTTTTGAAGGATCCTTATTATCACAAGTTTTAACCTCTTCTTCATACCTGACCTC
 AATCCCTTTTCTCTTATTTCTGCATTAGGCTAATAAAGTGAATTTGATATACTTCCATTTAAAAAAA AAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_013791
- Insert Size:** 2208 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: [BC013703](#), [AAH13703](#)

RefSeq Size: 2460 bp

RefSeq ORF: 2208 bp

Locus ID: 27418

UniProt ID: [O89050](#)

Cytogenetics: 6 A3.3

Gene Summary: Component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1 (By similarity). Required for internalization of the GABA receptor GABRA1 from the cell membrane via endosomes and subsequent GABRA1 degradation (PubMed:21482357). Acts as a mediator of cell spreading and cytoskeletal responses to the extracellular matrix component THBS1 (PubMed:9724633, PubMed:18710924). [UniProtKB/Swiss-Prot Function]