

## Product datasheet for **MC216169**

### Mindy1 (NM\_133858) Mouse Untagged Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids  |
| Product Name:      | Mindy1 (NM_133858) Mouse Untagged Clone  |
| Tag:               | Tag Free   |
| Symbol:            | Mindy1   |
| Synonyms:          | 1810005H09Rik; 4930504E06Rik; AA562754; AA960384; AW561904; cl-40; mKIAA1390; ni |
| Vector:            | pCMV6-Entry (PS100001)   |
| E. coli Selection: | Kanamycin (25 ug/mL)   |
| Cell Selection:    | Neomycin   |



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**Fully Sequenced ORF:** >MC216169 representing NM\_133858  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAACAACCTCAGACTGAGAACCAGCCCTAGTAAGGCCACTAGTGCAGAACTGTTGAATCTGAAA  
ACCATGAGGCCCTGTCTGGACCAGAGAAGCATCCTCAGGACAAGGATGGTGCAGATGCTGATGGAGCAGC  
TGGAGAACAGGAGCCAGGAGACAACTTTGCCACCAGCCAGGATGGTAAAAATCTTGAGTGCTCCTCT  
CCTGAAGCTAGCTCAAGTCTCCTGGGCCAGTGTGGGACGTCACCTAAGGTAGAGACAGCAGAGGTGT  
GTTCCAGGCCACAGGAACCTCCAGTCCCCAGGATCCAACAGCCTGAGCTAGATTTCTACTGTGTCAA  
GTGGATCCCTGGAAGGGAGAACGGACCCGATCATCACCCAGAGCACCAATGGTCCGTGCTCTTCTA  
GCCATCATGAACATCCTTTTTCTCAGTGAAGGTGAAGTCCCCCTCAGAAGGAAGTGATCACATCAG  
ATGAGCTCCTGACACACCTTGAAACTGCCTTCTGTCCATCAAACCCCAAGAGAAGTCTGAGGGCCTTCA  
ACTTAACCTTTCAGCAGAATGTGGACGATGCAATGACGGTCTCCGAAACTGGCCACAGGTCTGGACGTC  
AATGTGCGATTACGGGGCTCTCCGACTTTGAGTATACGCCGGAATGCAGCATCTTTGACTTGCTGGGAA  
TACCTCTATACCATGGCTGGCTGGTGGATCCACAGAGTCCCGAGGCTGTGAGTGCTGTTGGGAAACTGAG  
TTACAACCAGCTGGTAGAGAAGATCATCACCTGTAACACTCTAGTGACTCCAACCTCGTGACAGAAGGC  
TTGGTTGCGGAGCAGTTCCTGGAGACACTGCGGCACAGTTGACCTACCATGGCCTGTGCGAGCTCACAG  
CAGCTGCCACGGAAGATGAACCTAGTGTCTTTTCGAAACAACCACTTCAGCACGATGACTAAGCACAA  
GAGTCACCTGTACCTACTGGTCACTGACCAAGGTTTTCTACAGGAGGAGCAGGTGGTATGGGAGAGCTTG  
CATAACGTGGATGGTACAGCTGCTTTTGTGACTCGGACTCCACCTAAGTCATTCCCTAGGCAAAAGCC  
ATGGAGCAGAAGGTGGGGTGGCTCTCCAGAGAAGCAGCTGCAAGTGGACCAGCAGCAGCAGCCACA  
AGGCACGTTGGGCCTCAGTGACCTGGAAGTGGCCCAACAACCTCAACAAGAAGAGTATCAACAACAGCAA  
GCAATTAACCTGTGCGAACAAGGGCTCCTTCGCCCCAGGGGAGAGGCCACATCTGGACGTCCAGCTG  
GAGAGCGCGGCAGAGGTCAAAGACTGAGTCAGACTGTGTTCTGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_133858

**Insert Size:** 1380 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: [NM\\_133858.4](#), [NP\\_598619.2](#)

RefSeq Size: 2823 bp

RefSeq ORF: 1380 bp

Locus ID: 75007

UniProt ID: [Q76LS9](#)

Cytogenetics: 3 F2.1

**Gene Summary:** Hydrolase that can specifically remove 'Lys-48'-linked conjugated ubiquitin from proteins. Has exodeubiquitinase activity and has a preference for long polyubiquitin chains. May play a regulatory role at the level of protein turnover.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.