

Product datasheet for **RN205340**

Mindy1 (NM_001025118) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mindy1 (NM_001025118) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mindy1
Synonyms:	Fam63a; MGC109471
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205340 representing NM_001025118
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAACAACCTCAGGCTGAGTGCCCGAGCCCCAGTAAGACCAACAGTGCAGAACTGTTGAATCTGAAA
 AGCAGCAGGCCCTGTCTGGACCAGAAAAGCATCCTCAGGACAAGGACGGTGCAGATGCTGCACCAGAAAA
 GCATCCTCAGGACAAGGACGGTGCAGATGCTCATGGGGAAGCAGGAAAACAGAAGTCAGGAGACCAAAT
 TTGCCACCACTCAGGATGGGGGAAATCTTGAGTGTCTCCTCCTGAAGCTAGTTCAAGTCTCTGGGC
 CAGCTTGTGGGATACCATCTGAGGTAGAGACAACAGAGGCATGTTCCAGGCCGCAGCAGCTTCCCCAGTC
 CCCAGGATCCAACAGCCTGATCTAGATTTCTACTGTGTCAAGTGGATCCCCTGGAAGGGAGAACGGACC
 CCCATCATCCCCAGAGCAGCAATGGTCCTTGTCTCTCTGGCCATCATGAACATCCTCTTTCTGCAGT
 GGAAGGTAAGCTGCCGCTCAGAAGGAAGTGATCACATCAGACGAGCTCCTGACACATCTTGAAACTG
 CCTTCTGTCCATCAACCCCAAGAGAAGTCTGAGGGCCTTCAACTTAACCTTTCAGCAGAAATGTGGCGAT
 GCAATGACGGTGTCCCTAAACTGGCCACAGGTCTGGACGTCAATGTGCGATTACAGGCGTCTCAGACT
 TCGAGTACACACCGGAATGCAGCGTCTTTGACTTGTGGGAGTACCTCTATACCATGGCTGGCTCGTGGA
 TCCACAGAGTCTGAGGCTGTGAGTGTGTTGGGAACTGAGTTATAACCAGCTAGTAGAGAAGATCATC
 ATCTGTAACACTCTAGTGACTCCAACCTCGTGACAGAAGGCTTGATTGCGGAGCAGTTCCTGGAGACCA
 CCGCAGCTCAGTGACTTACCATGGCCTGTGCGAGCTCACAGCCACTGCCAAGGAAGACGAACCTAGCGT
 CTTTTTTCGAAACAACCACTTTAGCACGATGACTAAGCACAAGAGTCACCTGTACCTACTGGTCACTGAC
 CAAGGTTTTCTACAGGAGGAGCAGGTGGTGTGGGAGAGCTTGCATAACGTGGATGGGACAGCTGCTTTT
 GTGACTCTGACTTCCACCTAAGTCATTCCCTAGGCAAAAGCCATGGAGCAGAAGGTGGGAGTGGCTCTCC
 AGAGAAGCAACTGCAGGTAGACCAGGACTACCTTATTGCCTTGTCCCTGCAGCAGCAGCAGCCACAG
 GGCATGTGGGTCTCAGTGACCTGGAAGTGGCCAGCAACTTCAACAAGAAGAGTACCAGCAACAGCAAG
 CAGTTCAACCTGTGCGGACCAGGGCCCCTTCATCCCGGGTAGAGGAGCCACATCTGGACGCCAGCTGG
 GGAGCGGAGGCAGAGGTGAAGACTGAGTCAGACTGTGTTCTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001025118
- Insert Size:** 1449 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_001025118.1, NP_001020289.1</u>
RefSeq Size:	2054 bp
RefSeq ORF:	1449 bp
Locus ID:	310665
UniProt ID:	<u>Q5BJQ2</u>
Cytogenetics:	2q34
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]