

Product datasheet for **MR208565**

Mindy2 (NM_172772) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Mindy2
Synonyms:	AI465301; B230380D07Rik; Fam63b; mKIAA1164
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208565 representing NM_172772
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAACAGCCCTGACAGCCACAGCCTCTGGAAGTAGGGTGGCGGCCGGCGAGTGTGCGCCCGG
 AAGGGCGACGGCGCGCGGGCGCGAGGCTGAGGATGGTCCCGCTGGACGCGCGGTGGACAGCGCGGGCA
 GGGGGCGCGGGCGCGCGAGCGCGGAGCAGCCTCGGGGACCGACGTCCCCCTCGCAGCTCGGATGCGGC
 GCGGGCTCGGACTTGAAGGACGGCGCTCGTCGAGCCCTGCCGCCTCGGAGGTGCCTTCAAGAGGGCAGC
 ACAAGGTGACCGCTCCCGGAGCTGGCGAGGCCGCGCGGGCCGAGGGTGGGGCCAGTGGCGACAC
 GGGCACTGCGAGGTGGAGCAGCGCGGAAGAGCCAGCAGCACCGGCGCCCGAGCAGCAGCTGCAGC
 GAGCCGAGCCCCCTGGGACTCGCCAGCTTGGACTCCCTGGAGTCTTCTCCAACCTGCATTCTTTCC
 CCAGTAGCTCTGAGTTCAATAGTGAGGAGGAGCAGAGACCAGGGTCCCCGAGGACGTGGAGGAGGGCGC
 GGCGGGGCCCGCAGGCTGCACCTCTATGCAAGAGGAGGAGGAGGCCGGCTCAGGTGCTAGCGGCC
 TCCAAAGAACGCTTCCCGGACAGTCGGTGTATCACATCAAATGGATCCAGTGAAAGAGGAGAACACGC
 CCATCATCACCCAGAATGAGAATGGACCCTGCCCTTTGCTGGCCATCCTCAATGTTTGTCTCGCCTG
 GAAGGTGAACTTCCACCAATGATGGAATCATAACTGCGGAGCAGCTGATGGAATATTTAGGTGATTAT
 ATGCTTGAGGCAAGCCAAAAGAAATCAGAAATTCACGTGTAATTTATGAACAGAAATAGAGTGATG
 CTATGGCAATCTTGCACAACTGCAGACAGGCTGGACGTGAATGTCAGGTTCCTGGGGTACGAGTTTT
 CGAGTACACGCCAGAGTCATAGTCTTTGATCTTCTAGATATTCTTTGTATCATGGGTGGTTAGTGGAC
 CCTCAGATTGATGACATTGTAAGAGCTGTTGGCACTGCAGCTACAACCAGCTGGTAGAGAATCATCT
 CCTGTAAGCAGTCAGACAACAGCCAGTTGGTTAGTGAAGGCTTTGAGCTGAGCAGTTTCTAAACAATAC
 AGCCACTCAACTGACGTACCATGGATTATGTGAACTGACTTCAACGGTTCAAGGAGGAGAGCTCTGTGTG
 TTCTTTTCGGAATAATCATTTTAGCACCATGACAAAATACAAGGTCAACTGTATTTGTTGGTAACAGACC
 AAGGGTTTCTTACTGAAGAAAAATGCTGCGGAAAGCCTCCACAAATGATAGTGGTGGTGAATTTCTG
 TGACTCAGAATTCACCTTCGGCCTCCTCAGATCCTGAGCTGTATACAAAGGTCAACAAGACCAATA
 GATCAGGACTACCTTATGGCACTGTCACTGCAACAAGAAGCAGCAGGCCAAGAAATCAATTGGGAGCAAA
 TTCCAGAAGGAATCAGTGACTTGGAGCTGGCAAGAACTCCAGGAAGAGGAGGACCGACGGGCCTCTCA
 GTACTACCAGGAGCAGGAGCAGGCTCAGGCTGTTGTGACTACCACCACCCCTTCCACACAGGCCACGAG
 GGCCAGCCAGCACAAGCTCTCCATCAAGTATAAACAGCCTGGGAATAGTGAACGGAACGCAAGGAAC
 CTCGGGAAAAAGACAAAGAGAAAGAAAGGAAAAAATAGCTGTGTGATTTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR208565 representing NM_172772
 Red=Cloning site Green=Tags(s)

MENSPDSPQPLELGVAAGRVSPPEGRRRRGREAGDGPAGRAVDSGGQAAAAAARSSLGDPTSPSQLGCG
 AGSDLKDGASSSPAASEVPSRQHKVTASPELAEEAAGRGSPVGDGTGCRVEQAAEPPSSSTGAPSSSCS
 EPSPPGDSPSLDSLESFNLHSFSSSEFNSEEGAETRPVEDVEEGAAGPPRAAPLCKEEEDPAQVLA
 SKERFPQSVYHIKWIQKEENTPIITQENNGPCPLAILNVLLAWKVLPMMIEITAEQLMEYLG
 MLEAKPKEISEIQRVNYEQNMSDAMAILHKLQGLDVNVRFTGVRVFEYTPCEIVFDLLDIPLYHGLVD
 PQIDDIVKAVGNCSYNQLVEKIIISCKQSDNSQLVSEGFVAEQFLNNTATQLTYHGLCELTSTVQEGELCV
 FFRNNHFSMTKYKQLYLLVTDQGFLETEKIVWESLHNVGDGDNFCDFHLRPPSDPETVYKQQDQI
 DQDYLMAISLQQEQSQEINWEQIPEGISDLELAKKLQEEEDRRASQYYQEQAQAVVTTTTPTSTQAQQ
 GQPAQASPSIIKQPGNSERKRKEPREKDKEKEKNSCVIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9092_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172772

ORF Size: 1803 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

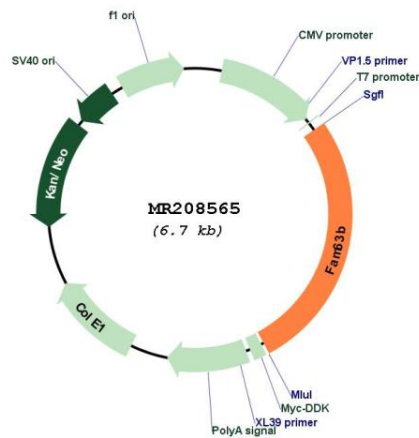
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172772.2](#), [NP_766360.2](#)

RefSeq Size: 8081 bp
 RefSeq ORF: 1806 bp
 Locus ID: 235461
 UniProt ID: [Q6PDI6](#)
 Cytogenetics: 9 D
 MW: 65.6 kDa

Gene Summary: Hydrolase that can remove 'Lys-48'-linked conjugated ubiquitin from proteins. Can also bind to polyubiquitin chains of different linkage types, including 'Lys-6', 'Lys-11', 'Lys-29', 'Lys-33' and 'Lys-63'. May play a regulatory role at the level of protein turnover.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208565