

Product datasheet for **RC228423**

MINDY1 (NM_001163258) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINDY1 (NM_001163258) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MINDY1
Synonyms:	FAM63A; MINDY-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228423 representing NM_001163258
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCTTGGTCTCTCTTTTAATGAAAGCACGAAACCTTCCCCCTCTCCTTGTCACCTTTTGCAT
 CCCAAGCCTGGCTTAGGCAAGTCCCTGAGGTTAGTAAACACCTTCAGTGGCCCTCAGCCAAGTCCCTTTT
 GACCATGGAATACCATCAGCCTGAGGATCCAGCCCTGGTAAGGCCGGGACTGCAGAAGCAGTCATCCCT
 GAAAACCATGAGGTTCTGGCAGGCCAGATGAGCACCTCAGGACACAGATGCAAGAGATGCTGATGGGG
 AGGCTAGAGAACGGGAGCCAGCAGACCAAGCTTTGCTGCCTAGCCAGTGTGGGGACAACCTTGAGTCCCC
 TCTGCCTGAAGCTAGCTCAGCTCCACCGGGGCCAACCTTGGGACACTGCCTGAAGTAGAGACAATAAGG
 GCATGCTCCATGCCCCAGGAGCTTCTCAGTCCCCAGGACCCGACAGCCTGAGCCAGATTTCTACTGTG
 TCAAGTGGATCCCTTGGAAAGGAGAACAGACCCCATCATCACCCAGAGCACTAACGGCCCTTGCCTCT
 CCTTGCCATCATGAACATCCTTTCTTCACTGGAAGGTGAAGTCCCCCGCAGAAGGAAGTATCACA
 TCGGATGAGCTCATGGCCCATCTTGAAACTGCCTCCTGTCCATCAAGCCCCAGGAGAAGTCAGAGGGAC
 TTCAGCTTAATTTTCAGCAGAATGTGGATGATGAATGACAGTGTGCCTAAACTGGCCACAGGTCTGGA
 TGTCAATGTGCGATTACAGGCGTCTCTGATTTTGAAGTATACACCGAGTGCAGTGTCTTTGACCTGCTA
 GGCATACCTCTGTACCATGGCTGGCTTGTGATCCACAGAGTCTGAGGCTGTGCGTGCAGTTGGGAAAC
 TGAGTTACAACAGCTGGTGGAGAGGATCATCACCTGCAAACTCCAGTGACACCAACCTCGTGACAGA
 AGGCCTGATTGCAGAGCAGTTCTTGGAGACCACCGCGGCCAGCTGACCTACCACGAGTGTGTGAGCTG
 ACAGCAGCTGCTAAGGAGGTGAAGTACGCTCTTTTCCGAAACAACCACTTTAGCACCATGACTAAGC
 ATAAGAGTCACTTATACCTACTGGTCACTGACCAAGGCTTCTACAGGAGGAGCAAGTCGTATGGGAGAG
 CCTGCACAATGTGGATGGAGACAGCTGCTTTTGTGACTCTGACTTTCACCTGAGTATCCCTGGGCAAG
 GGGCCTGGAGCAGAAGGTGGGAGTGGCTCCCCAGAAAAGCAGCTGCAGGTAGACCAGGACTACCTGATTG
 CTCTGTCCCTGCAGCAGCAACAGCCACGAGGCCGCTGGGGCTTACCGACTTGGAGCTGGCCAGCAGCT
 TCAGCAAGAGGAGTATCAACAGCAGCAGGCAGCGCAGCCAGTGCAGTGCAGGACGCGGTCTGTCACTG
 CAGGGGAGAGGAGCCACATCTGGACGCCAGCCGGGGAGCGTCCGCAGAGGCCGAAGCACGAGTCAGACT
 GCATTCTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228423 representing NM_001163258
 Red=Cloning site Green=Tags(s)

MLLGPPPFNESTKPSPPCHSFASQAWLRQVPEVSKHLQCPSAKSLLTMEYHQPEDPAPGKAGTAEAVIP
 ENHEVLAPDEHPQDQTDARDADGEAREPADQALLPSQCGDNLESPLPEASSAPPGPTLGTLPVETIR
 ACSMPQELPQSPRTRQPEPDFYCVKWIPWKGEQTPITQSTNGPCPLLAIMNIFLQWKVKLPPQKEVIT
 SDELMAGLGNCLLSIKPQEKSEGLQLNFQQNVDDAMTVLPKATGLDVNVRFTGVSDFEYTPESVFDLL
 GIPLYHGWLVDPQSPEAVRAVGKLSYNQLVERIITCKHSSDTNLVTEGLIAEQFLETTAAQLTYHGLCEL
 TAAAKEGELSVFFRNHFSTMTKHSHLYLLVTDQGFLEEQVWESLHNVDGDSFCDSDFHLSHSLGK
 GPGAEGSGSPEKQLQVDQDYLIALSLQQQPRGPLGLTDLELAQQLQEEYQQQAAQPVRMRTRVLSL
 QGRGATSGRPAGERRQRPKHESDCILL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8038_e04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001163258

ORF Size: 1551 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_001163258.1](#), [NP_001156730.1](#)

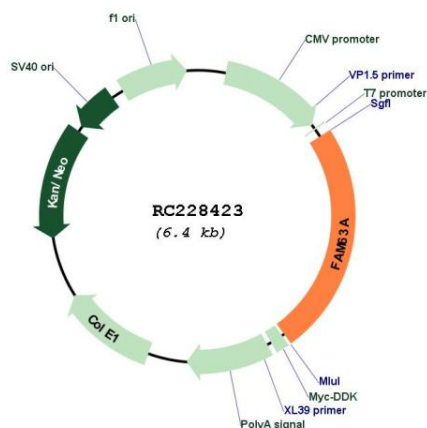
RefSeq ORF: 1554 bp

Locus ID: 55793

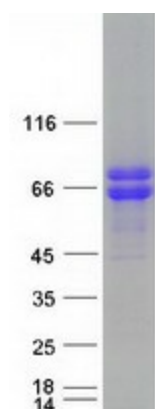
UniProt ID: [Q8N5J2](#)

Cytogenetics:	1q21.3
MW:	56.8 kDa
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]

Product images:



Circular map for RC228423



Coomassie blue staining of purified MINDY1 protein (Cat# [TP328423]). The protein was produced from HEK293T cells transfected with MINDY1 cDNA clone (Cat# RC228423) using MegaTran 2.0 (Cat# [TT210002]).