

## Product datasheet for **RG216010**

### **MINDY1 (NM\_018379) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | MINDY1 (NM_018379) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                  |
| Symbol:                   | MINDY1                                    |
| Synonyms:                 | FAM63A; MINDY-1                           |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



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**ORF Nucleotide Sequence:**

>RG216010 representing NM\_018379  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAATACCATCAGCCTGAGGATCCAGCCCCTGGTAAGGCCGGGACTGCAGAAGCAGTCATCCCTGAAA  
 ACCATGAGGTTCTGGCAGGCCAGATGAGCACCCCTCAGGACACAGATGCAAGAGATGCTGATGGGGAGGC  
 TAGAGAACGGGAGCCAGCAGACCAAGCTTTGCTGCCTAGCCAGTGTGGGGACAACCTTGAGTCCCCCTCTG  
 CCTGAAGCTAGCTCAGCTCCACCGGGGCCAACCTTTGGGACACTGCCTGAAGTAGAGACAATAAGGGCAT  
 GCTCCATGCCCGAGGAGCTTCTCAGTCCCCAGGACCCGACAGCCTGAGCCAGATTTCTACTGTGTCAA  
 GTGGATCCCTTGAAAGGAGAACAGACCCCATCATCACCCAGAGCACTAACGGCCCTTGCCTCTCCTT  
 GCCATCATGAACATCCTCTTTCTCAGTGAAGGTGAAGTCCCCCGCAGAAGGAAGTGATCACATCGG  
 ATGAGCTCATGGCCATCTTGAAACTGCCTCCTGTCCATCAAGCCCCAGGAGAAGTCAGAGGGACTTCA  
 GCTTAATTTTCAGCAGAATGTGGATGATGCAATGACAGTGTCTAACTGGCCACAGGCTGATGTGTC  
 AATGTGCGATTACAGGCGTCTCTGATTTTGAGTATACACCCGAGTGCAGTGTCTTTGACCTGCTAGGCA  
 TACCTCTGTACCATGGCTGGCTTGTGATCCACAGAGTCTGAGGCTGTGCGTGCAGTTGGGAACTGAG  
 TTACAACCAGCTGGTGGAGAGGATCATCACCTGCAAACTCCAGTGACACCAACCTCGTGACAGAAGGC  
 CTGATTGCAGAGCAGTTCTGGAGACCACCGCGGCCAGCTGACCTACCACGGACTGTGTGAGCTGACAG  
 CAGCTGCTAAGGAGGGTGAACCTAGCGTCTTTTCCGAAACAACCACTTTAGCACCATGACTAAGCATAA  
 GAGTCACTTATACCTACTGGTCACTGACCAGGGCTTTCTACAGGAGGAGCAAGTCGATGGGAGAGCCTG  
 CACAATGTGGATGGAGACAGCTGCTTTTGTGACTCTGACTTTACCTGAGTCATTCCCTGGGCAAGGGGC  
 CTGGAGCAGAAGGTGGGAGTGGCTCCCCAGAAAAGCAGCTGCAGGTAGACCAGGACTACCTGATTGCTCT  
 GTCCCTGCAGCAGCAACAGCCACGAGGCCCGCTGGGGCTTACCGACTTGAGCTGGCCAGCAGCTTCAG  
 CAAGAGGAGTATCAACAGCAGCAGGCAGCGCAGCCAGTGCAGGATGCGGACGCGGGTCTGTCACTGCAGG  
 GGAGAGGAGCCACATCTGGACGCCAGCCGGGAGCGTCGGCAGAGGCCGAAGCACGAGTCAGACTGCAT  
 TCTGCTG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

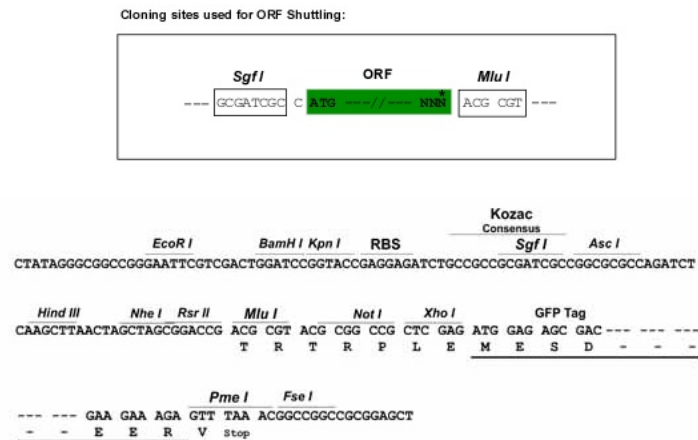
>RG216010 representing NM\_018379  
 Red=Cloning site Green=Tags(s)

MEYHQPEDPAPGKAGTAEAVIPENHEVLAGPDEHPQDTDARDADGEAREREPADQALLPSQCGDNLESPL  
 PEASSAPPGPTLGLPEVETIRACSMPELQSPRTRQPEPDFYCVKWIPWKGEQTPITITQSTNGPCPLL  
 AIMNIFLQWKVKLPPQKEVITSDELMHNLGNLLSIKPQEKSEGLQLNFQQNVDDAMTVLPKLATGLDV  
 NVRFTGVSDFEYTPESVFDLLGIPLYHGWLVDPQSPEAVRAVGKLSYNQLVERIITCKHSSDTNLVTEG  
 LIAEQFLETTAAQLTYHGLCELTAACKEGELSVFFRNHFSMTKHKSHLYLLVTDQGFQEEQVWVESL  
 HNVDGDSFCDSDFHLSHSLGKGPGAEGSGSPEKQLQVDQDYLIASLQQQQPRGPLGLTDLELAQQLQ  
 QEEYQQQAAQPVRMTRVLSLQGRGATSGRPAGERRQRPKHESDCILL

**TR**TRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


ACCN: NM\_018379

ORF Size: 1407 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.

RefSeq: [NM\\_018379.4](#), [NP\\_060849.2](#)

RefSeq Size: 4043 bp

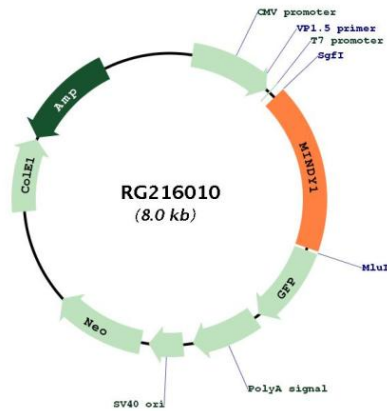
RefSeq ORF: 1410 bp

Locus ID: 55793

UniProt ID: [Q8N5J2](#)

|                      |                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cytogenetics:</b> | 1q21.3                                                                                                                                                                                                                                                                    |
| <b>Domains:</b>      | DUF544                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b> | 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 RG216010