

Product datasheet for **SC310736**

MINDY2 (NM_001040450) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINDY2 (NM_001040450) Human Untagged Clone
Tag:	Tag Free
Symbol:	MINDY2
Synonyms:	FAM63B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310736 representing NM_001040450.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGAGCAGCCCCGAGAGCCTGCAGCCGCTAGAACACGGGGTGGCGGCCGGCCAGCGTCAGGGACA
GGTTCTTCGCAGGAAGGCTACAGGAGACCAGGCTCGCCGCTGGTGATGGTCCTGGGGTATGGCGGGCG
GAGACCAGCGGGGAATGGGCTGGGGCGGCCGCCAGGAGAGCCTCCCGGACTCGGCTTCTCCC
GCGGGCTCTCCTGAGTTCCCGACCCTGCAGCTCCTCCGCGGTTTGGACTTGAAGGACAGTGGTTTG
GAGAGTCTGCTGCCGCCGAGGCGCTCTGAGAGGGCAGTACAAGGTGACCGCCTCCCGGAGACAGCC
GTGGCCGAGTGGGTGATGAGTTGGTACCGCCGAGACGCGGGAGCCCGCCGGATCTCGCCGGCACC
TGCCAAGCAGAACTGACCGCCCGGCTCCGAAGAGCCAGCAGCGCGCGGCCCTCAGCAGCAGTTGC
AGCGACCCGAGCCCTCTGGGAATCTCCGAGCCTGGACTCTCTGGAGTCGTTCTTAACCTGCATTCT
TTTCCAGTAGCTGCGAGTTCAATAGTGAGGAGGAGCGGAGAACAGGGTCCCTGAGGAGGAGGAGGC
GCGGCGGTGTTGCCGGGGCTGTTCTCTGTGCAAGGAGGAGGGGGAGGAGACCGCTCAGGTGCTG
GCGGCCTCCAAGAACGCTTCCCGGACAATCTGTGTATCACATCAAGTGATCCAGTGAAGGAAGAG
AACACACCCATCATCACCCAGAATGAGAACGGACCCTGCCCTTGCTGGCCATCCTCAATGTTTTGCTC
CTGGCCTGGAAGGTGAACTTCCACCGATGATGGAATCATAACTGCTGAGCAGCTGATGGAATATTTA
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GTTGAGTGTTGAATATACACCAGAATGCATAGTATTTGATCTTCTTGATATTCCTTTGTACCATGGG
TGTTAGTAGACCCTCAGATTGATGACATTGTAAGCTGTTGGTAACTGCAGCTACAACCACTAGTG
GAGAAGATCATCTTTGTAACAGTCAGACAATAGTGAGCTGGTGTAGTGAAGCTTTGTAGCTGAGCAG
TTTCTAAATAACACAGCCACTCAACTGACATACCATGGATTATGTGAACCTCAACGTTTCAGGAA
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TTGTTGGTAACGAGCAGGGGTTTCTTACTGAAGAGAAAGTTGTTTGGGAAAGCTACACAACGTAGAT
GGTGATGGAATTTCTGTGACTCAGAAATTCATCTTCGACCTCCTTCAGATCCTGAACTGTATACAAA
GGACAACAAGATCAGATAGATCAGGATTATCTTATGGCATTATCTCTACAACAAGAACAGCAGAGCCAA
GAGATCAATTGGGAACAAATCCCGAAGGAATCAGTGATTTGGAAGTGAAGAACTCCAAGAGGAA
GAGGACAGACGGGCTTCTCAATACTATCAGGAACAGGAACAAGCAGCAGCTGCTGCTGCTGCTCTCT
ACACAGGCTCAGCAGGGCCAGCCAGCACAAGCCTCTCCATCAAGTGAAGACAATCTGGGAATAGTAA
CGTAAACGGAAGGAACACGAGAAAAAGATAAAGAAAAAGAAAGAAAAAATAGCTGTGTTATTTTG
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001040450

Insert Size: 1866 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001040450.2</u>
RefSeq Size:	9375 bp
RefSeq ORF:	1866 bp
Locus ID:	54629
UniProt ID:	<u>Q8NBR6</u>
Cytogenetics:	15q21.3-q22.1
Protein Families:	Druggable Genome
MW:	67.1 kDa
Gene Summary:	Hydrolase that can remove 'Lys-48'-linked conjugated ubiquitin from proteins (PubMed:27292798). Binds to polyubiquitin chains of different linkage types, including 'Lys-6', 'Lys-11', 'Lys-29', 'Lys-33', 'Lys-48' and 'Lys-63' (PubMed:28082312). May play a regulatory role at the level of protein turnover (PubMed:27292798).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.