

Product datasheet for **SC310734**

MINDY2 (NM_001040453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINDY2 (NM_001040453) Human Untagged Clone
Tag:	Tag Free
Symbol:	MINDY2
Synonyms:	FAM63B
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_001040453, the custom clone sequence may differ by one or more nucleotides <pre> ATGGAGAGCAGCCCCGAGAGCCTGCAGCCGCTAGAACACGGGGTGGCGGCCGGGCCAGCG TCAGGGACAGGTTCTTCGAGGAAGGGCTACAGGAGACCAGGCTCGCCGCTGGTGATGGT CCTGGGGTATGGCGCGCGGAGACCAGCGCGGGAATGGGCTGGGGGCGCGGCCGCCAGG AGGAGCCTCCCGACTCGGCTTCTCCGCGGGCTCTCCTGAGGTTCCCGGACCCTGCAGC TCCTCCGCGGGTTTGACTTGAAGGACAGTGGTTTGAGAGTCCTGCTGCCGCCGAGGCG CCTCTGAGAGGGCAGTACAAGGTGACCGCTCCCGGAGACAGCCGTGGCCGGAGTGGGT CATGAGTTGGGTACCGCCGGAGACGCGGAGCCCGCCGGATCTCGCCGACCTGCCAA GCAGAAGTACCAGCCCGGCTCCGAAGAGCCAGCAGCGCCGGCGGCTCAGCAGCAGT TGCAGCGACCCGAGCCCTCCTGGGAATCTCCGAGCCTGGACTCTCTGGAGTCGTTCTCT AACCTGCATTCTTTCCAGTAGCTGCGAGTTCATAGTGAGGAGGGAGCGGAGAACAGG GTCCCTGAGGAGGAGGAGGGCGCGGGTGTGGCCGGGCTGTTCTCTGTGCAAGGAG GAGGAGGGGGAGGAGACCGCTCAGGTGCTGGCGGCTCCAAGGAACGCTCCCGGGACAA TCTGTGTATCACATCAAGTGGATCCAGTGGAAGGAAGAGAACACACCCATCATCACCAG AATGAGAACGGACCTGCCCTTCTGCTGGCATCCTCAATGTTTTGCTCCTGGCCTGGAAG GTGAAACTTCCACCGATGATGGAATCATAACTGCTGAGCAGCTGATGGAATATTAGGA GATTACATGCTTGATGCAAAGCCAAAAGAAATTCAGAAATTCACGTTTAAATTATGAA CAGAATATGAGTGATGCCATGGCAATTTTGACAAACTACAGACAGGCCTGGATGTAAT GTAAGATTCAGTGGTGTTCGAGTGTGGAATATACACCAGAAATGCATAGTATTTGATCTT CTTGATATTCTTTGTACCATGGGTGGTTAGTAGACCCTCAGATTGATGACATTGTAATA GCTGTTGGTAACTGCAGCTACAACCACTAGTGGAGAAGATCATCTCTTGTAACAGTCA GACAATAGTGAGCTGGTTAGTGAAGGCTTTGTAGCTGAGCAGTTTCTAAATAACACAGCC ACTCAACTGACATACCATGGATTATGTGAACCTTCAACGGTTCAGGAAGGAGAACTT TGTGTGTTCTTTTCGGAATAATCATTTTTAGCACCATGACCAATAAAGGGTCAACTGTAT TTGTTGGTAACGGACAGGGGTTTCTTACTGAAGAGAAAGTTGTTTGGGAAAGCCTACAC AACGTAGATGGTGATGGAATTTCTGTGACTCAGAATTTTCATCTTCGACCTCCTTCAGAT CCTGAACTGTATACAAAGGACAACAAGATCAGATAGATCAGGATTATCTTATGGCATTAT TCTCTACAACAAGAACAGCAGAGCCAAGAGATCAATTGGGAACAAATCCCGGAAGGAATC AGTGATTTGGAAGTACGAAAGAACTCCAAGAGGAAGAGGACAGACGGGCTTCTCAATAC TATCAGGAACAGGAACAAGCAGCAGCTGCTGCTGCTGCTGCTTCTACACAGGCTCAGGGC CAGCCAGCACAAAGCCTCTCCATCAAGTGAAGACAATCTGGGAATAGTGAACGTAACCGG AAGGAACACGAGAAAAAGATAAAGAAAAAGAAAGGAAAAAAATAGCTGTGTTATTTTG TAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001040453
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_001040453.1, NP_001035543.1</u>
RefSeq Size:	5010 bp
RefSeq ORF:	1863 bp
Locus ID:	54629
UniProt ID:	<u>Q8NBR6</u>
Cytogenetics:	15q21.3-q22.1
Protein Families:	Druggable Genome
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 (2) uses an alternate splice site in the terminal coding exon, compared to variant 1, and encodes a shorter isoform (b), compared to isoform a.