

Product datasheet for **SC322576**

MINDY1 (NM_001040217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	MINDY1
Synonyms:	FAM63A; MINDY-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene sequence for SC322576 CTGGCAGCCCCCTTCATTGCACCTATCTCCCCATCTCATTGCCACGGCTGAACCCCTCT
TCTCAATCTTGAACAGCACCCTCTTTAAGGGAAGCTGACTCCACCATGTGTTCAA
TCCCACCACTCTTCCCTCCCAAGTCTGGAAGCCCCAGACCTCTTGGTCTCATCTGGTCA
CAGCAAGTTAGAGGTGGAAGAGCTCAGCACGGGGCCCTTCTGTTTACACATATACTGCC
CATAGCCAGGAGTTACTGCACAACTAGCCAGCCTTCTACACTACATTCTTTTCCAA
GACTTTTCTGGGTAGTTTGTCTTCCAGCCCACTGATTTCTTCTATTGGACAGGTAC
TCTTTTGCATCCCAAGCTGGCTTAGGCAAGTCCCTGAGGTAGTAAACACCTTCAGTGC
CCCTCAGCCGAGTCCCTTTGACCATGGAATACCATCAGCCTGAGGATCCAGCCCTGGT
AAGGCCGGGACTGCAGAAGCAGTCATCCCTGAAAACCATGAGGTTCTGGCAGGCCAGAT
GAGCACCTCAGGACACAGATGCAAGAGATGCTGATGGGGAGGCTAGAGAACGGGAGCCA
GCAGACCAAGCTTTGCTGCCTAGCCAGTGTGGGGACAACCTTGAGTCCCTCTGCCTGAA
GCGATACCTCTGTACCATGGCTGGCTTGTGATCCACAGAGTCTGAGGCTGTGCGTGCA
GCTAGTCCATGCCCCAGGAGCTTCTCAGTCCCCAGGACCCGACAGCCTGAGCCAGAT
TTCTACTGTGTCAAGTGGATCCCTTGAAAGGAGAACAGACCCCATCATCACCAGAGC
ACTAACGGCCCTTGCCTCTCCTTGCCATCATGAACATCTCTTTCTCAGTGAAGGTG
AAGTCCCCCGCAGAAGGAAGTGATCACATCGGATGAGCTCATGGCCATCTTGAAAC
TGCTCTCTGTCATCAAGCCCCAGGAGAAGTCAGAGGAGCTTCAGCTTAATTTTCAGCAG
AATGTGGATGATGCAATGACAGTGTGCTAACTGGCCACAGGCTCGGATGCAATGTG
CGATTCACAGGCTCTCTGATTTTGTAGTATACCCGAGTGCAGTGTCTTTGACCTGCTA
GGCATACCTCTGTACCATGGCTGGCTTGTGATCCACAGAGTCTGAGGCTGTGCGTGCA
GTTGGGAACTGAGTTACAACAGCTGGTGGAGAGGATCATCACCTGCAAACTCCAGT
GACACCAACCTCGTGACAGAAGGCTGATTGCAGAGCAGTTCTGGAGACCACCGGGCC
CAGCTGACCTACCAAGGCTGTGTGAGCTGACAGCAGTGTGTAAGGAGGGTGAACCTAGC
GTCTTTTCCGAAACAACCACTTTAGCACCATGACTAAGCATAAGAGTCACTTATACCTA
CTGGTCACTGACCAAGGCTTTCTACAGGAGGAGCAAGTCGATGGGAGAGCCTGCACAT
GTGGATGGAGACAGCTGCTTTTGTGACTGTGCTTACCTGAGTCATTCCCTGGGCAAG
GGGCTGGAGCAGAAGGTGGGAGTGGCTCCCCAGAAAAGCAGCTGCAGGTAGACCAGGAC
TACCTGATTGCTCTGTCCCTGCAGCAGCAACAGCCACGAGGCCGCTGGGGCTTACCGAC
TTGGAGCTGGCCAGCAGCTTCAGCAAGAGGAGTATCAACAGCAGCAGGCAGCGCAGCCA
GTGCGGATGCGGACGCGGGTCTGTCACTGCAGGGGAGAGGAGCCACATCTGGACGCCCA
GCCGGGAGCGTCGGCAGAGGCCGAAGCAGAGTCAGACTGCATTCTGCTGTAGCTCTGC
CCCAGTGCCAGGCTGGCTGCCCTTCTTCCAGAGGCTATGGCTAGTTGGCTTGTCCCC
CGCCTCCACCCCTGAGATGTGCTGGATACTTATTTATGGACTGTTGGGGATGAGAGCAG
GCAACAAATGCCAAGGTGAGCTTGGTAATGTCCTTGACCTCACGTGCTGCTGCCTTCTC
TGCTTCCACCCAGGGCAACACTAGGATTGGTGGGTTTCTGGTTCTCAACTCCCGTCCC
TGAATAGTCACACGTATGTACAGACTGAGGCTCTGGGGTGAAGTCCCTATCCAGAATGCA
TCTCTTCTGCTTCCATCCCTGCTGCCTGGATGCTCCTGATCACCTAGGCAGGCTGTCT
CCAGTTGTTTCAGAGCTTAATTTGGGTTTCTATCTCTTATTTGTAATGCCTTCTGGGGT
TTGGAATAAACTTCTGGCCGGGCACGGTGGCTCACTCCTGTAATCTCAACAATTTGAG
AGGCCAAGGTGGGCGGATCACCTGAGGTTAGGAGTTCGAGACCAGCCTGCCAAAAAGGT
GAAACCCCGTCTCTACTGAAAATACAAGAAATTAGCTGGGACTACAGGCATGCGCCACTG
CGCCAGCTGATTTTGTATTTTGTAGTAGAGACGGTTTCGCCACTTTGGTCAGGCTGGTC
TTGAATTCCTGACCTCAGGTGATCCGCTGCCTTGGCTCCCGAAGTGTGGAATTACAG
GCGTAGCCACTGCGCCAGCTACCTGTCAATTTCTAATATAGCCTGCAGGGGGAACCAAA
AA

Restriction Sites:

Please inquire

ACCN:

NM_001040217

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001040217.1, NP_001035307.1</u>
RefSeq Size:	2400 bp
RefSeq ORF:	2187 bp
Locus ID:	55793
UniProt ID:	<u>Q8N5J2</u>
Cytogenetics:	1q21.3
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] Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR, uses an alternate splice site in the 5' coding region, and uses a downstream start codon compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Both variants 2 and 5 encode the same isoform.