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Product datasheet for SC113526

MINDY1 (NM_018379) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINDY1 (NM_018379) Human Untagged Clone
Tag:	Tag Free
Symbol:	MINDY1
Synonyms:	FAM63A; MINDY-1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018379, the custom clone sequence may differ by one or more nucleotides

ATGGAATACCATCAGCCTGAGGATCCAGCCCCTGGTAAGGCCGGGACTGCAGAAGCAGTCATCCCTGAAA
ACCATGAGGTTCTGGCAGGCCCAGATGAGCACCCTCAGGACACAGATGCAAGAGATGCTGATGGGGAGGC
TAGAGAACGGGAGCCAGCAGACCAAGCTTTGCTGCCTAGCCAGTGTGGGGACAACCTTGAGTCCCCTCTG
CCTGAAGCTAGCTCAGCTCCACCGGGGCCAACCCTTGGGACACTGCCTGAAGTAGAGACAATAAGGGCAT
GCTCCATGCCCCAGGAGCTTCCTCAGTCCCCCAGGACCCGACAGCCTGAGCCAGATTTCTACTGTGTCAA
GTGGATCCCTTGGAAAGGAGAACAGACACCCATCATCACCCAGAGCACTAACGGCCCTTGCCCTCTCCTT
GCCATCATGAACATCCTCTTTCTTCAGTGGAAGGTGAAGCTCCCCCCGCAGAAGGAAGTGATCACATCGG
ATGAGCTCATGGCCCATCTTGGAAACTGCCTCCTGTCCATCAAGCCCCAGGAGAAGTCAGAGGGACTTCA
GCTTAATTTTCAGCAGAATGTGGATGATGCAATGACAGTGCTGCCTAAACTGGCCACAGGTCTGGATGTC
AATGTGCGATTCACAGGCGTCTCTGATTTTGAGTATACACCCGAGTGCAGTGTCTTTGACCTGCTAGGCA
TACCTCTGTACCATGGCTGGCTTGTTGATCCACAGAGTCCTGAGGCTGTGCGTGCAGTTGGGAAACTGAG
TTACAACCAGCTGGTGGAGAGGATCATCACCTGCAAACACTCCAGTGACACCAACCTCGTGACAGAAGGC
CTGATTGCAGAGCAGTTCCTGGAGACCACCGCGGCCCAGCTGACCTACCACGGACTGTGTGAGCTGACAG
CAGCTGCTAAGGAGGGTGAACTTAGCGTCTTTTTCCGAAACAACCACTTTAGCACCATGACTAAGCATAA
GAGTCACTTATACCTACTGGTCACTGACCAGGGCTTTCTACAGGAGGAGCAAGTCGTATGGGAGAGCCTG
CACAATGTGGATGGAGACAGCTGCTTTTGTGACTCTGACTTTCACCTGAGTCATTCCCTGGGCAAGGGGC
CTGGAGCAGAAGGTGGGAGTGGCTCCCCAGAAAAGCAGCTGCAGGTAGACCAGGACTACCTGATTGCTCT
GTCCCTGCAGCAGCAACAGCCACGAGGCCCGCTGGGGCTTACCGACTTGGAGCTGGCCCAGCAGCTTCAG
CAAGAGGAGTATCAACAGCAGCAGGCAGCGCAGCCAGTGCGGATGCGGACGCGGGTCCTGTCACTGCAGG
GGAGAGGAGCCACATCTGGACGCCCAGCCGGGGAGCGTCGGCAGAGGCCGAAGCACGAGTCAGACTGCAT
TCTGCTGTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018379 unedited
NGGGTGCAAATTTTGTAAACGACTCCTATAGGCGGCCCGCGAATTCGCACGAGGTCGCTT
ATAAAGCTGTGTAAACCTGTATAAGCTCAGGCGTTGACAGCTGGAAGGCAGCTGGCACTG
GCAGCCCCCTTCATTGCACCTATCTCCCCCATCTCATTGCCACGGCTGAACCCTCCTTCT
CAATCTTGGAACAGCACCCCCTTCTTTAAGTCCCCCAGGACCCGACAGCCTGAGCCAGAT
TTCTACTGTGTCAAGTGGATCCCTTGGAAAGGAGAACAGACACCCATCATCACCCAGAGC
ACTAACGGCCCTTGCCCTCTCCTTGCCATCATGAACATCCTCTTTCTTCAGTGGAAGGTG
AAGCTCCCCCCGCAGAAGGAAGTGATCACATCGGATGAGCTCATGGCCCATCTTGGAAAC
TGCCTCCTGTCCATCAAGCCCCAGGAGAAGTCAGAGGGACTTCAGCTTAATTTTCAGCAG
AATGTGGATGATGCAATGACAGTGCTGCCTAAACTGGCCACAGGTCTGGATGTCAATGTG
CGATTCACAGGCGTCTCTGATTTTGAGTATACACCCGAGTGCAGTGTCTTTGACCTGCTA
GGCATACCTCTGTACCATGGCTGGCTTGTTGATCCACAGAGTCCTGAGGCTGTGCGTGCA
GTTGGGAAACTGAGTTACAACCAGCTGGTGGAGAAGGATCATCACCTGCAACACTCCAGT
GACACCAACCTCGTGACAGAAAGCCTGATTGCAGAGCAGTTCCTGGAGACCACCGCGGCC
CAGCTGACCTACCACGGACTGTGTGAGCTGACAGCAGCTGCTAAGGAGGGTGAACNTANC
GTCTTTTTCCGAAACACCACTNTAGCACATGACTAGCATAAGAGTCACTATACCTACTGG
TCACTGACACAGGCTTTCTACAGGAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018379 unedited
ATCTTGNACGCGGCCGCATCTAAGATCGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTCCGGCCAAAATTTTATTTCCAAACCCCAGGAAGGCTTTACAAATAAGAGA
TAGAAACCCAATTTAAGCTCTGAAACAACTGGAAACAGGCCTGCCTAGGTGATCAGGAGC
ATCCAGGCAGCAGGGATGGGAAGCAAAAAAAATGCATTCTGGATAGGGACCTCACCCCAA
AGCCTCAGTCTGTACATACGTGTGACTATTCAGGGACCGGGAGTTGAAAACCAAAAACCC
ACCAATCCTAGTGTTGCCCTGGGTGGGAGGCAAAAAAGGCAGCAGCACGTGAGGTCAAGG
ACATTACCAAGTCTGACCTTGGCATTTGTTGCCTGCTCTCATCCCCAACAGTCCATAAAT
AAGTTATCCAGCACATCTCAGGGGTGGAGGCGGGGGAGCAAGCCAACTAGCCATAGCCTC
TGGAAAAAGGGGCAGGCCATCCTGGCACTGGGGCAAAGCTACAGCAAAATGCAGTCTGAC
TCGTGCTTCGGCCTCTGCCGACGCTCCCCGGTTGGGCGTCCAGATGTGGCTCCTCTCCCC
TGCAGTGACAGGACCCGCGTCCGCATCCGCACTGGCTGCGCTGCCTGCTGCTGTTGATAC
TCCTCTTGCTGAAGCTGCTGGGCCAGCTCCAAGTCGGTAAGCCCCANCGGGCCTCGTGGC
TGTTGCTGCTGCAGGGACANANCAATCAGGTAGTCCTGGTCTACTGCAGCTGCTTTTCTA
NGGAGCCACTCCCAACTTTTGGCTCCAGCCCCTTGCCCAGGAATGACTCCAGTGAAGTCA
NATCACAAAAGCGCTGCTCCATCCACATGTGCAGCTCTCCATAGACTGCTCCTCTGTAAA
AGCCTGTNCAGGACANNAGGTTAGGGACTCTATGCTAANCATGGGGCAAANGGNTGTTCG
GAAAGACCTAGTCCACTCCTAA

Restriction Sites: NotI-NotI

ACCN: NM_018379

Insert Size: 1780 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).

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_018379.1, NP_060849.1
RefSeq Size:	2851 bp
RefSeq ORF:	984 bp
Locus ID:	55793
UniProt ID:	Q8N5J2
Cytogenetics:	1q21.3
Domains:	DUF544
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 (1) represents the longest transcript and encodes isoform 1. Variants 1 and 6 encode the same isoform (1).