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Product datasheet for SC328057

MAGEL2 (NM_019066) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEL2 (NM_019066) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEL2
Synonyms:	NDNL1; nM15; PWLS; SHFYNG
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_019066, the custom clone sequence may differ by one or more nucleotides

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ATGTCGCAGCTAAGTAAGAATCTGGGTGACTCGAGTCCTCCGGCGGAGGCCCCGAAGCCG
CCTGTCTATAGCCGCCCTACGGTTCTGATGCGGGCCCCGCCCGCTTCCTCCCGGGCTCCG
CCAGTCCCTTGGGATCCACCTCCAATTGACTTGCAGGCTTCATTGGCCGCTTGGCAGGCA
CCTCAGCCTGCCTGGGAGGCCCCACAGGGCCAGCTGCCCGCCCCGGTGGTTCCGATGACC
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CCACCCATCCGCCCTGGCCCACCACCGGTGCGACAGGCCCCACCGCTGATCCGCCAGGCC
CCACCGGTGATCCGCCAGGCCCCACCCGTGATCCGCCAGGCCCCACCCGTGATCCGCCAG
GCCCCCGCTGTGATCCGCCAGGCCCCACCTGTGATCCGCCAGGCCCCACCTGTGATCCGC
CAGGCTCCACCTGTGATCCGCCAGGCCCCGCCGCTGATCCGCCAGGCGCCGCCGCCCATC
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CGACCTGCCCCACAGGTCCTGGCCACCCAGCCACCGCTCTGGCAGGCCCTGCCACCCCCA
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CAGGTGCCTACGGCCCCACCTGCTACGCAGGTACCCGCGGCGCCGCCCGCTGGCCCGCAG
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GAGCGCAGGGCCCCTTCAAAAGACCGCATGATCTTTGCTGCCACCTTCTGTGCTCCCAAG
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GCAGAGTGTGAGTGGGAAGACACAGATGAGGATGAACCTGACACCGGTGACAGTGCCCAC
GGCCCCACCAGCAGGCCCCCTCCCCGC

Restriction Sites: Please inquire

ACCN: NM_019066

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:	NM_019066.4, NP_061939.3
RefSeq Size:	4298 bp
RefSeq ORF:	3750 bp
Locus ID:	54551
UniProt ID:	Q9UJ55
Cytogenetics:	15q11.2
Gene Summary:	Prader-Willi syndrome (PWS) is caused by the loss of expression of imprinted genes in chromosome 15q11-q13 region. Affected individuals exhibit neonatal hypotonia, developmental delay, and childhood-onset obesity. Necdin (NDN), a gene involved in the terminal differentiation of neurons, localizes to this region of the genome and has been implicated as one of the genes responsible for the etiology of PWS. This gene is structurally similar to NDN, is also localized to the PWS chromosomal region, and is paternally imprinted, suggesting a possible role for it in PWS. [provided by RefSeq, Oct 2010]