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Product datasheet for MC224111

Mei1 (NM_028897) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mei1 (NM_028897) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mei1
Synonyms:	4932408F18Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224111 representing NM_028897 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACGGCTGCTGACCATCCCGCGTTTGGGAGAGATGAAGAAGCGGCGCTGCTCCTGGAGAGGACCCATC ACCGGCACGATCCGCGCTGGCTGCTGCCCGTGTCCCCTCACGTCTGCATGGCCTGCGCGTTGGAACTGCT GCCGGAGCCCGGAGTGTCGCTGGTGCGCAAGAAACATGTGGTGTTCTGCTTCCAAGATGCCCTGGTGAGG CACACCTCCTTGGTCGCTCAGCTGGTAGCTCAGGACCAGAGAGTCTGCATCCATTTTGTACGCGTGCTTT TCGGACTGTTAAACAGTGTGGAAGATGGGAGTATGGCAGACCTCTGTATTGAAGTCCTTGTCCAGCTCAC TACTCAGCCGAATATGGAACAGACCATCCGTTGCCTAATGAATGAGTGCCACAGAGAGCTGTGTAACCTG CGCTCCATGGGAGGCAGCCTGGCCACCACGACTCTCCTGGGCAAGCTGGTGGACACCATTCCTGGTTTGG CGGACGAGCTTGTAATGGAGCACGGCAACTTGATGGAACATCTGTTGAGGGGCTTGGTTTACCCCAATGA GGGGGTACAGGCTTCCATCTGTTACCTCTATGGGAAGCTCTACTCCTCGCCCACGGCCGCTGAGATGCTT TCCGGCCATTTCCGGGAGAAGCTGTGTGCCCTCTTCCTTTCCACCTTGGACAGCGCCCAGACAAAGGACC TACAGATCAACTGCTTGGGTTTACTAAGGCAGCTACTGAAGTACGATCTCTTCGTATCGCTGATCATGAA CAAGTCTGTGCCGGTAGAAGGTGCTGAGAGTGTCGAGCGGCCATCGAGAGAGACCTCACTACCTTTGGTG CTCAAAAAGTTTCTCCTGTCCAGAGATGAGATCCTGCAGGTGGCCAGCTCCCACTGTATAACGGCAGTGC TGGTCCATTCCCCGGCGAAGCATGCTGTTGCCTTCATTCACGCTGACATCCCAGAGTTCCTCTTTGAGCA TCTTTCGTCCTCCAGCGAAATCCTTGTCTGGTCCAGCTACAACTGCCTGATACTCTTGGCAGAAGAACCG CTCTTCTTTTCAAAGTGTCACACAGTGTATGGGATCGAGGCAGTGGTCAGGAGCCTCCAGGGCAGCCAGC AGATGACCAACACGGAACTGCATACTCAGGGACTGCTGCTCTTCAAAGAAATTCTGACTCGGCAGCCAGA GGAGATCAGGCTGTTCACAAGCTCAGCCCTGTGCAGAGATGCCAGCCGTGCCCTCCAGGAGGCCGTGAGC AGCCCTGTGTTAGCTGTGGCCGCCGAAGCACTGAGGGCCATTTCAGCTTTTCTGAGGAAGGACCATCAGA GCTCTCTGCCCGTGCAGTACAGAGCACTTCGTGCCTTGCTTGAAGCCATGCTGAGCCGATGTATGGAGTT TTCCCAGACCCCTCTGAACAGGAGGTCCCTGGGCCACGCTTGCAGTAGAAACTCGGAGAAGGCCACTCTG AGAAAGGGGAGTTTCCTCCTGAGCACTCTGGAAGGCTTTAGAAATGCCTGCAGGCTGGCTGTGGAATTCC

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AAGGCGAGCCTTCCGCCCAGGAGAACCCCTTCACAGCTCCCAGTGCAGAGAAGGAAGACACCTTGGAGGC
CTTCTCAGAGTATCTTCTCAGTGCCTGTGACTCCCAGTGCATCCCGATGGTGATGAGGTACTCGGAGGAG
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CCTGGAATCGGTTTCTGCTGTTCACCCTCTTGGATGCTGGAGAGAATTCCTTCCTCAGACCTGAGATACT
GAGACTTATGACCTTGTTTGTGCAGTACCGGAGCAGCTGTGTCCTCTCACGTGAAGAGGTGGGTCTTATT
TTGCAAGGTGCAGCTTTGGTTGACCTGTCAGCTCTCTCAAACGATACACTCCAGGCCCTGCATGGCTTCC
TCCTGCAGGTCCAGAGCATGGGTCTCCTAAATGACCAACACATGACCCAGACCTTGCAATCATCTTTGGA
AGGCCTTTGCTCCCGCACCTTCCCAGCCCAGCCACTCTTTCAAGACATGCTCTGCCTCGGAGGTGTGTCT
GTTTCCCAGGCTCACATCAGAGGCTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_028897

Insert Size: 3807 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).

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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_028897.3, NP_083173.2
RefSeq Size:	3991 bp
RefSeq ORF:	3807 bp
Locus ID:	74369
UniProt ID:	Q9D4I2
Cytogenetics:	15 38.41 cM
Gene Summary:	Required for normal meiotic chromosome synapsis. May be involved in the formation of meiotic double-strand breaks (DSBs) in spermatocytes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).

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