

Product datasheet for MC215737

Meikin (NM_029105) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meikin (NM_029105) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Meikin
Synonyms:	4930404A10Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215737 representing NM_029105 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAAGATATGGCATATGGGGCCAGAGGGGACTATACCCGCAAGAAGAGGGCTGGTAAAGGCTCA
ACCTCACCCCGAAGCCAGACCTGGCCCTCCCTGGGAGGACAGAGGCCCTGCCAGGTCTGAAGGGAAAGGG
CAAAGAGCAGGGATTGCGGAAAATTACTGAGAAGAAGGAATTGAGCAGACTCACAGGTAGCAGCTCACAG
CGGCCAAGTCTGTTAAGTGTACAGGAGGGGAACCTGCAAGAAAATAGCCCTGGCCAAGAGACCCCGAG
AGGAAAAGACACCACCATGTGAAACAGTGACTGATACCTTTGAGATGGACAGCTTGTGTGAGTACTGA
GCTAGTTTCAGGACCAGCCGAGCAGGATGACTTTTCCAGCTGTCTCCCGAGTTGTTCAAATGCAGAGTTA
CATACAGAGAGCACCCGATGAGAGAGGAAGTAGCTTCCCATCGCCAGAAGTGTTCAGAGGGTCAGACTGCC
TGGATTGGGAGCATCCCAAGTTGGAAGATTACATGTTCTACAAGAATTCTACTCTTTAGACACCAGTAA
AGCAGTAGTTATAGAGAAAAGCGCCACAGTTTGCAAACCTCTGTCAGTTCTGAGTTCTCTTCAAAAAAC
TATGAGAAAACCCATAGAAAAATAGGGATGACATTAGCAGCCCAACATCTTCTCCAGAACCAAAGTATG
CTTCAAATTTAGCATCAGTTGTAGATAATGCAGCTTCTGAGTTGTATTTGCTGAGAAAACCTGGCCCTCC
AACCACTGAAAAAACACAGAAAAAGCCTGAAAATGAATCTGAAGATAGTGGTCCGCTCGTTCAAACAAAG
TTGAGCTCCGGTCATCCAGACAACAAGGCTCTGTGCTCCCTCTAAGTTCAGCTCTTGAAAGCACTGCAG
TCAGGTATACTCTGCTGCCTCAGCCCTGGAACCTGTGCTGAAAAAGGTTGATTCTTCTGATAAAACA
AAGCAAAGCCCTGCTAACAAGTACCCCATCTTCAGACATAGCTGAGTTTGTGATTGATTGTCTCCAGTG
CAAAATGTGTCTTTGAAGAAGTATTTCAAATGTCAGCAATTATGTTAACTCAAGTGAAGTTGTTCTCTG
TGCAAGTTTGAAGAAAGTTCATCAAATGAGTTTCTCAAACACATCAGAGATCTGTTGTATTATTAG
GTCATCACCAGGAACAGACAGATGAGAAGGAAAGACCCTGCTGTGAAAAACAGATGTTCTCTCTCTAA
GATGTTCTCTAGATATTATAATGAAGACAAATGGCAGAACA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_029105
Insert Size:	1305 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:	<ol style="list-style-type: none">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_029105.2 , NP_083381.1
RefSeq Size:	1433 bp
RefSeq ORF:	1305 bp
Locus ID:	74847
UniProt ID:	Q5F2C3
Cytogenetics:	11 B1.3
Gene Summary:	Key regulator of kinetochore function during meiosis I: required both for mono-orientation of kinetochores on sister chromosomes and protection of centromeric cohesin from separase-mediated cleavage. Acts by facilitating kinetochore mono-orientation during meiosis I, when kinetochores on sister chromosomes face the same direction and are thus captured and pulled by spindle fibers from the same pole. Also required to prevent cleavage of cohesin at centromeres during meiosis I, possibly by acting as a regulator of the shugoshin-dependent protection pathway. Acts in collaboration with PLK1: required for PLK1 enrichment to kinetochores. Not required during meiosis II or mitosis.[UniProtKB/Swiss-Prot Function]