

Product datasheet for **MC207586**

Mis18a (NM_025642) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mis18a (NM_025642) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mis18a
Synonyms: 2610039C10Rik; 2810018N07Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207586 representing NM_025642
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGTCGAGCGAGTCCCCCTGCTGGAGAAGCGTCTGTGCGAAGACTCGAGCCGCTACCTGCGGCTGCAGA
AGTGGGCAAACATGTCGAGCGCAGACGCGTTAGGGCTAGAGAAGGAACGGCCTGAGGAGAAGCGGCCCG
GGCGGAGAACCCGCTGGTGTTCCTTTGTGCCCGCTGTGCCCGCCACTGGGCGACTCGCTCACCTGGGTG
GCCAGCCAGGAGGACACCAACTGCATCCTGTTGCGCAGCGTCTCCTGTAAAGTCTCTGTGGATAAGGAAC
CGAAACTGTCCAAGTGCAGAGATGAAGACGGTTGCATCCTTGAGGCGCTGTACTGCACGGGCTGCTCCCT
CAGCCTTGCGTATGTGTACAGATGCACTCCTAAGAACCTGGACTACAAGCGCGACTTGTCTGCCTCAGC
GTTGAAGCCGTTGAAAGTTACACCTTAGGGTCTCTGAGAAGCAAATCGTGTGAGAAGACAAGGAGCTTT
TCAACCTTGAAAGCCGAGTTGAAATAGAGAAGTCTATAAAGCAGATGGAAGAAGTCTGACAGCCCTGCA
AAAGAAGCTACGGGAAGTTGAATCTAAACTGTCCTTGCCAGCCGGGGCAGCTGA

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_025642

Insert Size: 615 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).



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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:	<u>NM_025642.1</u> , <u>NP_079918.1</u>
RefSeq Size:	1300 bp
RefSeq ORF:	615 bp
Locus ID:	66578
UniProt ID:	<u>Q9CZ16</u>
Cytogenetics:	16 C3.3
Gene Summary:	Required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis.[UniProtKB/Swiss-Prot Function]